

# SANYO

## SERVICE MANUAL

FILE NO.

### Remote Control Digital Color Television

**DP47460 (U.S.A.)  
(CANADA)**  
**ORIGINAL VERSION**



**Chassis No. P47460-00**

**NOTE:** Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

**Servicing should be performed by only trained and qualified service personnel.**

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### Specifications

POWER RATING .....	120VAC 221 W (AVG.)
ANTENNA INPUT IMPEDANCE.....	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL .....	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY.....	48 KEY REMOTE CONTROL
SOUND OUTPUT.....	10.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER .....	45.75MHz
SOUND IF CARRIER.....	41.25MHz
COLOR SUB CARRIER .....	42.17MHz
CABINET DIMENSIONS	
WIDTH .....	1130mm
HEIGHT .....	746mm
DEPTH INCLUDING BASE .....	324mm

# SAFETY INSTRUCTIONS

## SAFETY PRECAUTIONS

**WARNING:** The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

## ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

## LEAKAGE CURRENT CHECK

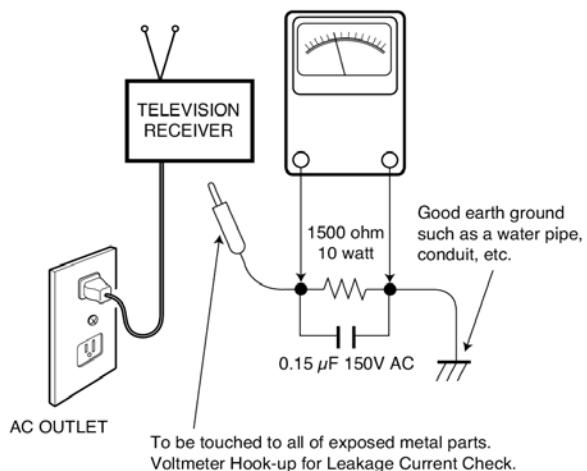
Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15  $\mu$ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

## PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a  $\triangle$  in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.

READING SHOULD NOT EXCEED 750 mV.  
AC VOLTMETER  
(5000 ohms per volt or more sensitivity)



## SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

**CAUTION:** Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.

6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

**CAUTION:** Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpackaged) ES devices.

# SERVICE ADJUSTMENTS

## GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

## ON-SCREEN SERVICE MENU SYSTEM

### 1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (→) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

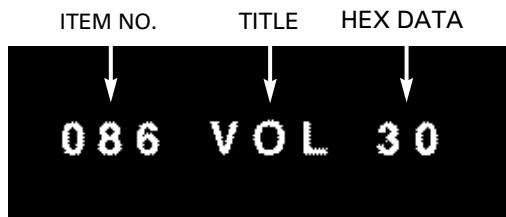


Figure 1. Service Menu Display

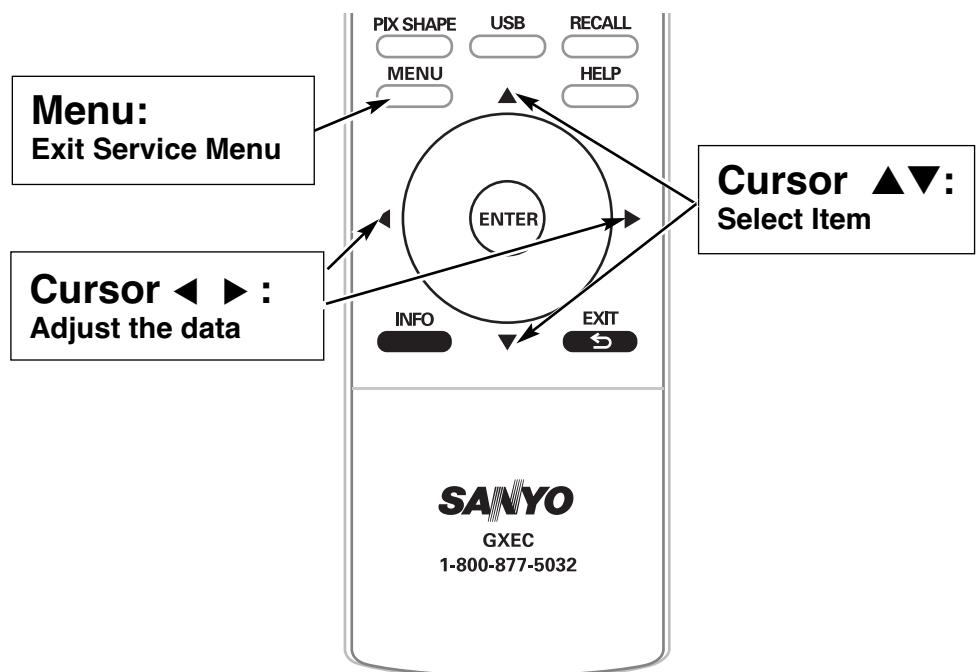
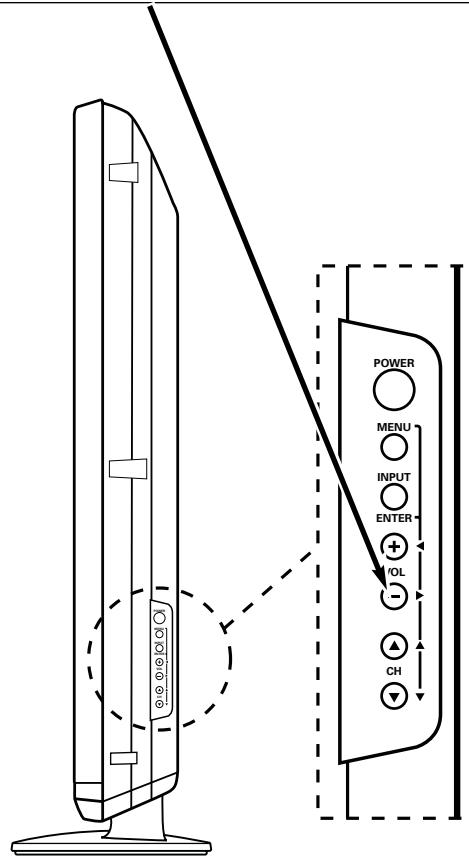
### 2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◀ or ▶ key to adjust the data. The ◀ or ▶ key will increase or decrease the data sequentially.

### 3. Exit from the Service Menu:

- Press the MENU key to turn off the Service Menu display.

Volume → : Enter Service Menu



# ON-SCREEN SERVICE MENU

**Table 1. ON-SCREEN SERVICE MENU**

When IC801 (EEPROM) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

No.	Title	Initial Data	Note
1A0	MUTE	A0h	Audio mute at Power ON
086	VOL	30h	Volume setup inspection
087	OP1	00h	Option 1 Data (HDMI)
088	OP2	28h	Option 2 Data (Display Panel)
101	1R00	00h	ROM Correction Data
102	1R01	00h	ROM Correction Data
↓	↓	↓	↓
197	2R47	00h	ROM Correction Data
198	2R48	00h	ROM Correction Data

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box is initial and can be set according to adjustment information.

## PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

**Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal**  
00. See 087 above. If this program code is wrong the TV will not operate properly.

**Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal**  
28. See 088 above. If this program code is wrong the TV will not operate properly.

# POWER FAILURE CIRCUIT

CPU (IC800) is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

**Power Failure:** Detected voltage failure for circuit.  
(Connected to IC800 pin 48 and pin 23.)

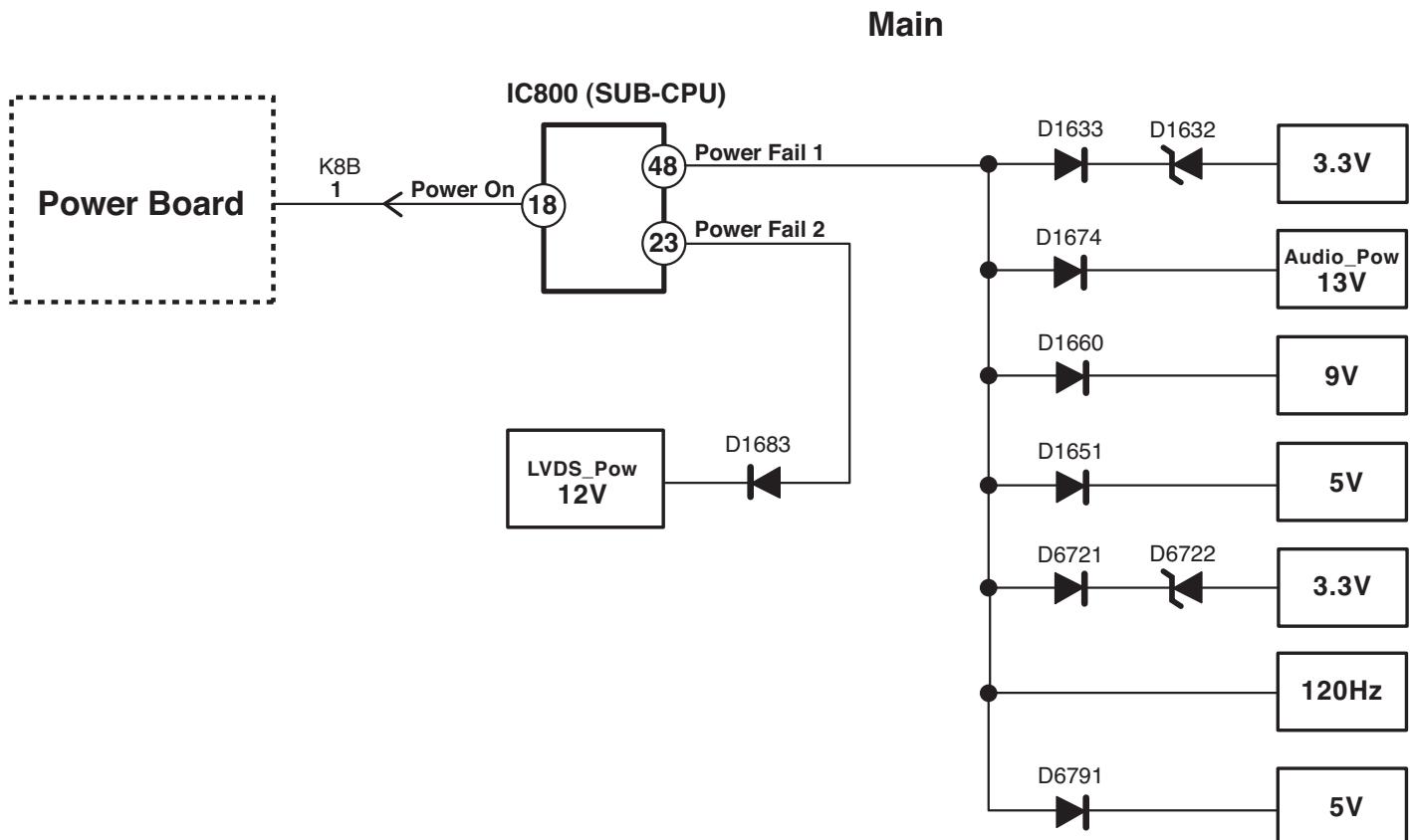
**(Normal: High; Failure: Low)**

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the CPU will shut off the power within three seconds.

*Check the following if the unit is turned off by the power failure detector.*

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

**Note:** If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the CPU it is necessary to disconnect the AC cord for a short time.



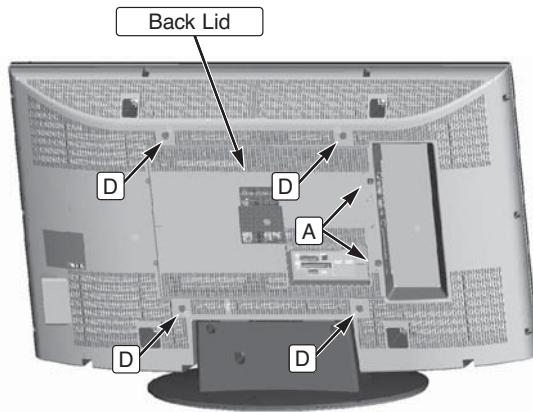
# MECHANICAL DISASSEMBLY

## CAUTION:

This LCD TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

## BACK LID REMOVAL

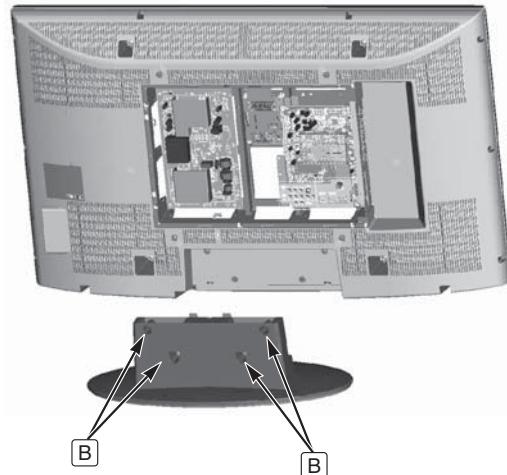
1. Remove 4 screws (D: 4x8).
2. Remove 2 screws (A: 3x6) to take the Back Lid off.



## STAND REMOVAL

**Note:** Position TV face down on a padded or cushioned surface to protect the screen and finish.

Remove 4 screws (B: 6x12) to take the stand off.



## MAIN BOARD REMOVAL

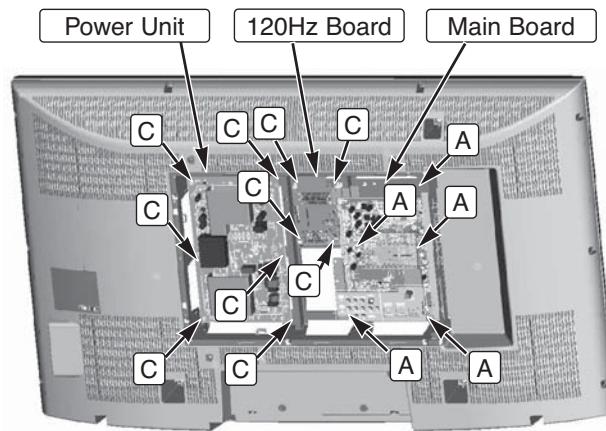
Remove 5 screws (A: 3X6) to take the Main Board off.

## 120HZ BOARD REMOVAL

Remove 4 screws (C: 3X14) to take the 120Hz board off.

## POWER UNIT REMOVAL

Remove 6 screws (C: 3X14) to take the Power Unit off.



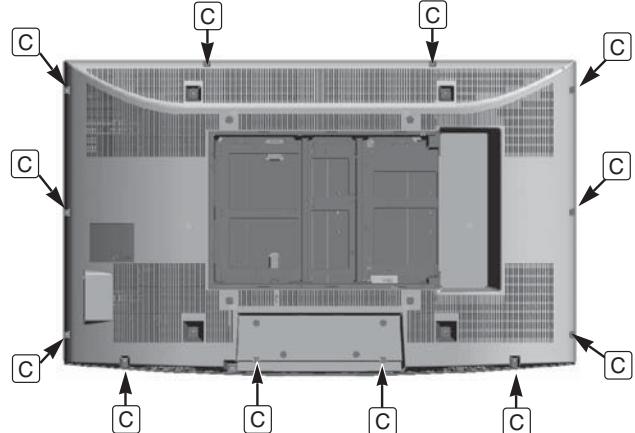


#### ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

### BACK CABINET REMOVAL

Remove 12 screws to take the back cabinet off.  
(C: 3x14)



### LCD PANEL REMOVAL

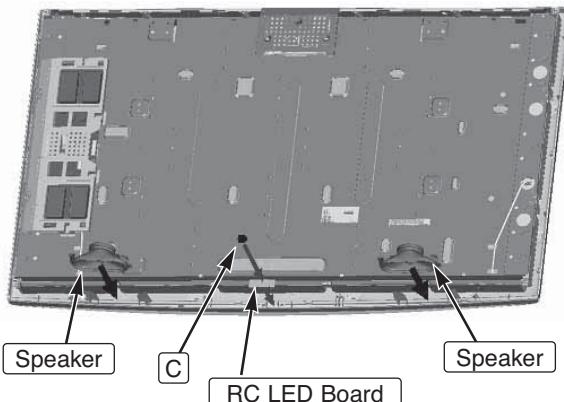
Lift up the LCD panel from front cabinet.

### SPEAKER REMOVAL

Take off each speaker from front cabinet.

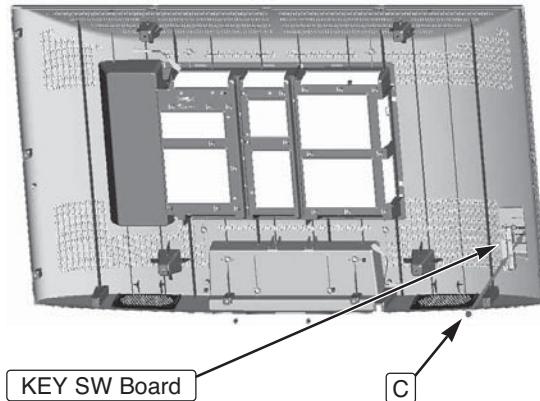
### RC LED BOARD REMOVAL

Remove 1 screw (C: 3x14) to take the RC LED board off.



### KEY SW BOARD REMOVAL

Remove 1 screw (C:3x14) to take the KEY SW board off.



# CHASSIS ELECTRICAL PARTS LIST

**CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.**

## PRODUCT SAFETY NOTICE

**PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A  $\Delta$  IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A  $\Delta$ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A  $\Delta$ .**

Note: Schematic part location numbers may not always match with the part descriptions.  
The part descriptions are correct and should be used.

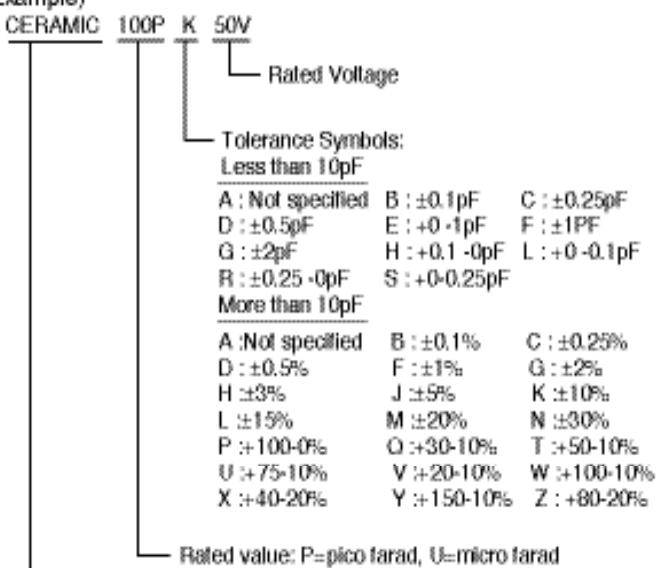
Schematic Location	Part No.	Description
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## CAPACITORS

### NOTES:

Read description of the Capacitor as follows:

(Example)



### Material:

- CERAMIC..... Ceramic
- MT-PAPER..... Metallized Paper
- POLYESTER..... Polyester
- MT-POLYEST....Metallized Polyester
- POLYPRO..... Polypropylene
- MT-POLYPRO... Metallized Polypropylene
- COMPO FILM.... Composite Film
- MT-COMPO..... Metallized Composite
- STYRENE..... Styrene
- TA-SOLID..... Tantalum Solid
- AL-SOLID..... Aluminium Solid
- ELECT..... Electrolytic
- NP-ELECT..... Non-polarised Electrolytic
- OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic

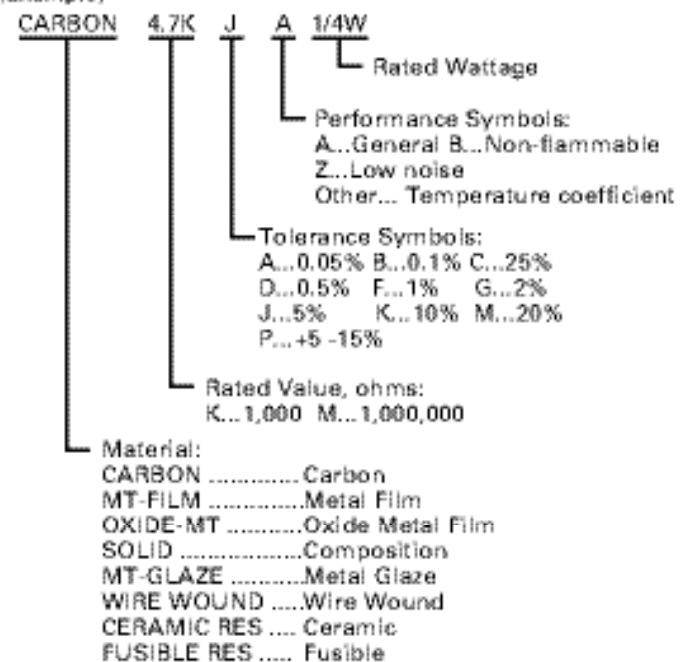
Schematic Location	Part No.	Description
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## RESISTORS

### NOTES:

Read description of the Resistor as follows:

(Example)



Schematic Location	Part No.	Description			Schematic Location	Part No.	Description		
<b>CAPACITORS</b>									
C001	CK1H102KLZBNG	CERAMIC	1000P K	50V	C822	CC1H220JLZCNG	CERAMIC	22P J	50V
C002	CK1H102KLZBNG	CERAMIC	1000P K	50V	C1000	CEXLB1H4R7VDN	ELECT	4.7U M	50V
C003	CK1E105KGMBNG	CERAMIC	1U K	25V	C1002	CK1A105KLZBNG	CERAMIC	1U K	10V
C004	CK1E105KGMBNG	CERAMIC	1U K	25V	C1004	CK1A105KLZBNG	CERAMIC	1U K	10V
C005	CK1H102KLZBNG	CERAMIC	1000P K	50V	C1006	CK1A105KLZBNG	CERAMIC	1U K	10V
C006	CK1H102KLZBNG	CERAMIC	1000P K	50V	C1009	CK1A105KLZBNG	CERAMIC	1U K	10V
C007	CK1H102KLZBNG	CERAMIC	1000P K	50V	C1010	CK1A105KLZBNG	CERAMIC	1U K	10V
C008	CK1H102KLZBNG	CERAMIC	1000P K	50V	C1012	CK1A105KLZBNG	CERAMIC	1U K	10V
C009	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1014	CK1A105KLZBNG	CERAMIC	1U K	10V
C010	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1016	CK1A105KLZBNG	CERAMIC	1U K	10V
C011	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1025	CC1H471JLZCNG	CERAMIC	470P J	50V
C012	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1034	CC1H101JLZCNG	CERAMIC	100P J	50V
C013	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1035	CC1H101JLZCNG	CERAMIC	100P J	50V
C014	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1610	CC1H391JLZCNG	CERAMIC	390P J	50V
C015	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1611	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C016	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1612	CK1E105KGMBNG	CERAMIC	1U K	25V
C017	CEXLB1E102VEN	ELECT	1000U M	25V	C1613	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C018	CC1H331JLZCNG	CERAMIC	330P J	50V	C1614	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C019	CC1H331JLZCNG	CERAMIC	330P J	50V	C1615	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C020	CK1E105KGMBNG	CERAMIC	1U K	25V	C1616	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C021	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1617	CK1H563KLZBNG	CERAMIC	0.056U K	50V
C022	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1618	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C023	CK1E105KGMBNG	CERAMIC	1U K	25V	C1619	CK1E105KGMBNG	CERAMIC	1U K	25V
C024	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1620	CEXLB1E102VEN	ELECT	1000U M	25V
C025	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1621	CK1E105KGMBNG	CERAMIC	1U K	25V
C026	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1623	CK1H222KLZBNG	CERAMIC	2200P K	50V
C027	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1624	CK1A105KLZBNG	CERAMIC	1U K	10V
C028	CC1H150JLZCNG	CERAMIC	15P J	50V	C1625	CEXLBOJ222VEN	ELECT	2200U M	6.3V
C029	CC1H150JLZCNG	CERAMIC	15P J	50V	C1627	CKOJ106KGMBNG	CERAMIC	10U K	6.3V
C031	CC1H681JLZCNG	CERAMIC	680P J	50V	C1628	CKOJ106KGMBNG	CERAMIC	10U K	6.3V
C032	CC1H101JLZCNG	CERAMIC	100P J	50V	C1629	CKOJ106KGMBNG	CERAMIC	10U K	6.3V
C033	CK1H472KLZBNG	CERAMIC	4700P K	50V	C1631	CE1C221M1WANG	ELECT	220U M	16V
C034	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1632	CK1A105KLZBNG	CERAMIC	1U K	10V
C035	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1633	CK1A105KLZBNG	CERAMIC	1U K	10V
C036	CK1E105KGMBNG	CERAMIC	1U K	25V	C1634	CE1C101M1WANG	ELECT	100U M	16V
C037	CK1E105KGMBNG	CERAMIC	1U K	25V	C1636	CE1C221M1WANG	ELECT	220U M	16V
C039	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1640	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C040	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1642	CK1A105KLZBNG	CERAMIC	1U K	10V
C041	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1644	CEXLBOJ102VDN	ELECT	1000U M	6.3V
C042	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1646	CK1H333KLZBNG	CERAMIC	0.033U K	50V
C600	CE1C101M1WANG	ELECT	100U M	16V	C1648	CK1H472KLZBNG	CERAMIC	4700P K	50V
C601	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	C1649	CK1H472KLZBNG	CERAMIC	4700P K	50V
C602	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	C1650	CK1E105KGMBNG	CERAMIC	1U K	25V
C603	CE1C101M1WANG	ELECT	100U M	16V	C1651	CK1E105KGMBNG	CERAMIC	1U K	25V
C604	CK1E105KGMBNG	CERAMIC	1U K	25V	C1652	CEXLB1C102VDN	ELECT	1000U M	16V
C800	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	C1654	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C801	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1655	CK1H103KLZBNG	CERAMIC	0.01U K	50V
C802	CK1A105KLZBNG	CERAMIC	1U K	10V	C1656	CC1H221JLZCNG	CERAMIC	220P J	50V
C803	CK1H104KLZBNG	CERAMIC	0.1U K	50V	C1658	CKOJ475KLZBNG	CERAMIC	4.7U K	6.3V
C806	CE1C221M1WANG	ELECT	220U M	16V	C1659	CK1E105KGMBNG	CERAMIC	1U K	25V
C808	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	C1660	CE1C101M1WANG	ELECT	100U M	16V
C809	CK1A105KLZBNG	CERAMIC	1U K	10V	C1661	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C813	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	C1662	CEXLB1E102VEN	ELECT	1000U M	25V
C820	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	C1663	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V
C821	CC1H180JLZCNG	CERAMIC	18P J	50V	C1664	CE1C101M1WANG	ELECT	100U M	16V
					C1665	CK1E105KGMBNG	CERAMIC	1U K	25V

Schematic Location	Part No.	Description			
C1666	CEXLBOJ102VEN	ELECT	1000U M	6.3V	
C1667	CK1E105KGMBNG	CERAMIC	1U K	25V	
C1668	CC1H221JLZCNG	CERAMIC	220P J	50V	
C1669	CK1H104KLZBNG	CERAMIC	0.1U K	50V	
C1671	CK1E105KGMBNG	CERAMIC	1U K	25V	
C1672	CEXLB1E102VEN	ELECT	1000U M	25V	
C1673	CEXLB1V471VEN	ELECT	470U M	35V	
C1674	CK1H223KLZBNG	CERAMIC	0.022U K	50V	
C1675	CK1E105KGMBNG	CERAMIC	1U K	25V	
C1676	CK1H105KGNBNG	CERAMIC	1U K	50V	
C1679	CC1H221JLZCNG	CERAMIC	220P J	50V	
C1680	CK1E105KGMBNG	CERAMIC	1U K	25V	
C1681	CC1H221JLZCNG	CERAMIC	220P J	50V	
C1693	CK1H102KLZBNG	CERAMIC	1000P K	50V	
C1700	CEXLB1V471VDN	ELECT	470U M	35V	
C1701	CK1H104KLZBNG	CERAMIC	0.1U K	50V	
C1702	CK1H223KLZBNG	CERAMIC	0.022U K	50V	
C1703	CK1E105KGMBNG	CERAMIC	1U K	25V	
C1705	CK1H472KLZBNG	CERAMIC	4700P K	50V	
C1706	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C1707	CEXLBOJ102VDN	ELECT	1000U M	6.3V	
C1709	CK1H104KLZBNG	CERAMIC	0.1U K	50V	
C1800	CK1H102KLZBNG	CERAMIC	1000P K	50V	
C1801	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C1805	CK1A105KLZBNG	CERAMIC	1U K	10V	
C1816	CK0J106KGMBNG	CERAMIC	10U K	6.3V	
C1823	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C1824	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C2000	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2001	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2002	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2003	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2004	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2005	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2009	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2010	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2011	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2012	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2013	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2014	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2018	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2019	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2020	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2021	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2022	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2023	CC1H150JLZCNG	CERAMIC	15P J	50V	
C2403	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C2404	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C2405	CK1A105KLZBNG	CERAMIC	1U K	10V	
C2407	CK1A105KLZBNG	CERAMIC	1U K	10V	
C2409	CC1H101JLZCNG	CERAMIC	100P J	50V	
C2410	CC1H101JLZCNG	CERAMIC	100P J	50V	
C2416	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C2417	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C2418	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C3000	CE1C101M1WANG	ELECT	100U M	16V	

Schematic Location	Part No.	Description			
C3050	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3051	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3053	CC1H680JLZCNG	CERAMIC	68P J	50V	
C3054	CC1H470JLZCNG	CERAMIC	47P J	50V	
C3055	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C3056	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	
C3057	CK0J106KGMBNG	CERAMIC	10U K	6.3V	
C3058	CC1H470JLZCNG	CERAMIC	47P J	50V	
C3059	CC1H680JLZCNG	CERAMIC	68P J	50V	
C3061	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3062	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3063	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3064	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3065	CK1A105KLZBNG	CERAMIC	1U K	10V	
C3066	CK1A105KLZBNG	CERAMIC	1U K	10V	
C5500	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5501	CK1A105KLZBNG	CERAMIC	1U K	10V	
C5503	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5505	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5506	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5507	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5508	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5510	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5511	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5512	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5513	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5514	CK1A105KLZBNG	CERAMIC	1U K	10V	
C5515	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5516	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5517	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5518	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5519	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5520	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5521	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5522	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5523	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5524	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5525	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5526	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5527	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5528	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5529	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5530	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5531	CK1C104KMNBNG	CERAMIC	0.1U K	16V	
C5532	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5533	CK1E103KMNBNG	CERAMIC	0.01U K	25V	
C5534	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5535	CK0J106KGMBNG	CERAMIC	10U K	6.3V	
C5536	CK0J106KGMBNG	CERAMIC	10U K	6.3V	
C5537	CK0J106KGMBNG	CERAMIC	10U K	6.3V	
C5538	CK1H102KMNBNG	CERAMIC	1000P K	50V	
C5539	CK0J106KGMBNG	CERAMIC	10U K	6.3V	
C5540	CK0J475KLZBNG	CERAMIC	4.7U K	6.3V	
C5542	CE1C221M1WANG	ELECT	220U M	16V	
C5543	CK1C104KMNBNG	CERAMIC	0.1U K	16V	

Schematic Location	Part No.	Description				Schematic Location	Part No.	Description			
C5544	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5618	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5545	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5619	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5546	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5621	RGFR000ZTCANL	MT-GLAZE	0.000 ZA	1/10W	
C5547	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5622	RGFR000ZTCANL	MT-GLAZE	0.000 ZA	1/10W	
C5553	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5623	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5554	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5624	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5555	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5625	CK0J106KGMBNNG	CERAMIC	10U K	6.3V	
C5556	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5626	CC1H120JLZCNG	CERAMIC	12P J	50V	
C5557	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5627	CC1H120JLZCNG	CERAMIC	12P J	50V	
C5558	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5628	RGFR000ZTCANL	MT-GLAZE	0.000 ZA	1/10W	
C5559	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5629	RGFR000ZTCANL	MT-GLAZE	0.000 ZA	1/10W	
C5560	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5630	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5561	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5631	CC1H120JLZCNG	CERAMIC	12P J	50V	
C5562	CK1E103KMNBNNG	CERAMIC	0.01U K	25V		C5632	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V	
C5566	CC1H101JLZCNG	CERAMIC	100P J	50V		C5633	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5567	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5634	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5568	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5635	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5569	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5636	CK0J106KGMBNNG	CERAMIC	10U K	6.3V	
C5570	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5637	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V	
C5571	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5638	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5572	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5639	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5573	CK0J106KGMBNNG	CERAMIC	10U K	6.3V		C5640	CK1H102KMNBNNG	CERAMIC	1000P K	50V	
C5574	CK1E103KMNBNNG	CERAMIC	0.01U K	25V		C5641	CK1H102KMNBNNG	CERAMIC	1000P K	50V	
C5575	CK1H102KMNBNNG	CERAMIC	1000P K	50V		C5642	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5576	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5643	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5577	CK0J106KGMBNNG	CERAMIC	10U K	6.3V		C5644	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5578	CK1H153KLZBNNG	CERAMIC	0.015U K	50V		C5645	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V	
C5579	CK0J106KGMBNNG	CERAMIC	10U K	6.3V		C5646	CK1H102KMNBNNG	CERAMIC	1000P K	50V	
C5580	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5647	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5582	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5650	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5583	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5651	CK1H102KMNBNNG	CERAMIC	1000P K	50V	
C5584	CK0J106KGMBNNG	CERAMIC	10U K	6.3V		C5652	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V	
C5585	CK1E103KMNBNNG	CERAMIC	0.01U K	25V		C5653	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5586	CK1H102KMNBNNG	CERAMIC	1000P K	50V		C5654	CK1E103KMNBNNG	CERAMIC	0.01U K	25V	
C5587	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5655	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5592	CK1E103KMNBNNG	CERAMIC	0.01U K	25V		C5656	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5593	CK1H102KMNBNNG	CERAMIC	1000P K	50V		C5657	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5594	CC1H120JLZCNG	CERAMIC	12P J	50V		C5658	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5595	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5659	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5596	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5660	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5597	RGFR000ZTCANL	MT-GLAZE	0.000 ZA	1/10W		C5661	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5598	CK1E103KMNBNNG	CERAMIC	0.01U K	25V		C5662	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5599	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5663	CK1C104KMNBNNG	CERAMIC	0.1U K	16V	
C5602	CC1H120JLZCNG	CERAMIC	12P J	50V		C5664	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5603	CK1H102KMNBNNG	CERAMIC	1000P K	50V		C5665	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5604	CE1C101M1WANG	ELECT	100U M	16V		C5666	CK1E474KLZBNNG	CERAMIC	0.47U K	25V	
C5606	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5667	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5607	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5668	CK1E474KLZBNNG	CERAMIC	0.47U K	25V	
C5609	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5669	CK1E474KLZBNNG	CERAMIC	0.47U K	25V	
C5610	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5670	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5611	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5671	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5612	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V		C5672	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5613	CK0J106KGMBNNG	CERAMIC	10U K	6.3V		C5673	CK1E474KLZBNNG	CERAMIC	0.47U K	25V	
C5614	CK1C104KMNBNNG	CERAMIC	0.1U K	16V		C5674	CK1H153KLZBNNG	CERAMIC	0.015U K	50V	
C5615	CK1E103KMNBNNG	CERAMIC	0.01U K	25V		C5675	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V	
C5617	CK0J106KGMBNNG	CERAMIC	10U K	6.3V		C5676	CK0J475KLZBNNG	CERAMIC	4.7U K	6.3V	

Schematic Location	Part No.	Description				
C5677	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5678	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5679	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5680	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5681	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5682	CK0J475KLZBN	CERAMIC	4.7U K	6.3V		
C5683	CK0J475KLZBN	CERAMIC	4.7U K	6.3V		
C5684	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5685	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5686	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5687	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5688	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5689	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5690	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5691	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5692	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5693	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5694	CK1H473KLZBN	CERAMIC	0.047U K	50V		
C5695	CC1H220JLZCNG	CERAMIC	22P J	50V		
C5697	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C5698	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C5699	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5701	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5704	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5705	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5706	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5707	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5708	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5709	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5710	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5711	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5712	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5713	CK1H102KMNBN	CERAMIC	1000P K	50V		
C5714	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5715	CK1H102KMNBN	CERAMIC	1000P K	50V		
C5716	CK1H102KMNBN	CERAMIC	1000P K	50V		
C5717	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5722	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5725	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5726	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5727	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5728	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5729	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5730	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5731	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5732	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5733	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5734	CK1H102KMNBN	CERAMIC	1000P K	50V		
C5735	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5736	CK1H102KMNBN	CERAMIC	1000P K	50V		
C5737	CK1H102KMNBN	CERAMIC	1000P K	50V		
C5738	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C5750	CE1C221M1WANG	ELECT	220U M	16V		
C5752	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5753	CEXLBOJ102VDN	ELECT	1000U M	6.3V		
C5754	CK1H333KLZBN	CERAMIC	0.033U K	50V		

Schematic Location	Part No.	Description				
C5755	CK1H333KLZBN	CERAMIC	0.033U K	50V		
C5770	CE1C221M1WANG	ELECT	220U M	16V		
C5772	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5773	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5774	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5775	CK1H104KLZBN	CERAMIC	0.1U K	50V		
C5776	CK1H104KLZBN	CERAMIC	0.1U K	50V		
C5777	CK1H104KLZBN	CERAMIC	0.1U K	50V		
C5779	CK1A105KLZBN	CERAMIC	1U K	10V		
C5780	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5781	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5782	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5783	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5784	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5785	CK1E103KMNBN	CERAMIC	0.01U K	25V		
C5800	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C5801	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C5900	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C5901	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C5902	CK1E224KLZBN	CERAMIC	0.22U K	25V		
C5962	CK1A105KLZBN	CERAMIC	1U K	10V		
C6000	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C6001	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C6002	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C6003	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C6004	CK1C104KMNBN	CERAMIC	0.1U K	16V		
C6105	CC1H470JLZCNG	CERAMIC	47P J	50V		
C6106	CC1H470JLZCNG	CERAMIC	47P J	50V		
C6110	CEXLBOJ102VDN	ELECT	1000U M	6.3V		
C6111	CK1H104KLZBN	CERAMIC	0.1U K	50V		
C6112	CK1H104KLZBN	CERAMIC	0.1U K	50V		
C6113	CC1H100JLZCNG	CERAMIC	10P J	50V		
C6114	CC1H100JLZCNG	CERAMIC	10P J	50V		
C6314	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6316	CE1C101M1WANG	ELECT	100U M	16V		
C6408	CK0J106KGMBN	CERAMIC	10U K	6.3V		
C6409	CK1H102KLZBN	CERAMIC	1000P K	50V		
C6410	CK1H102KLZBN	CERAMIC	1000P K	50V		
C6411	CK1H102KLZBN	CERAMIC	1000P K	50V		
C6500	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6550	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6580	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6600	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6601	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6602	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6603	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6604	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6605	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6606	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6607	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6608	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6609	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6610	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6611	CK1H104KLZBN	CERAMIC	0.1U K	50V		
C6612	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		
C6613	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		

Schematic Location	Part No.	Description			Schematic Location	Part No.	Description		
C6614	CK1H104KLZBNG	CERAMIC	0.1U K	50V		DD1SS355—G	DIODE 1SS355-TE-17		
C6615	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		DDXLBB053—G	DIODE 1SS35		
C6616	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	D1660	DD1SS352—G	DIODE 1SS352-(TPH3)		
C6617	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V		DD1SS355—G	DIODE 1SS355-TE-17		
C6618	CK1H104KLZBNG	CERAMIC	0.1U K	50V	D1674	DD1SS352—G	DIODE 1SS352-(TPH3)		
C6620	CK0J106KGMBNG	CERAMIC	10U K	6.3V		DD1SS355—G	DIODE 1SS355-TE-17		
C6621	CE1C101M1WANG	ELECT	100U M	16V		DDXLBB053—G	DIODE 1SS35		
C6624	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	D1683	DD1SS352—G	DIODE 1SS352-(TPH3)		
C6625	CK1A105KLZBNG	CERAMIC	1U K	10V		DD1SS355—G	DIODE 1SS355-TE-17		
C6627	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	D1700	DDSS3P3-E3—G	DIODE SS3P3-E3/84A		
C8500	CK1H103KLZBNG	CERAMIC	0.01U K	50V		DDSS3P3-M3—G	DIODE SS3P3-M3/84A		
C8501	CK1A105KLZBNG	CERAMIC	1U K	10V	D2402	DDRB551V-30-G	DIODE RB551V-30-TE-17		
C8503	CE1C221M1WANG	ELECT	220U M	16V	D2403	DDRB551V-30-G	DIODE RB551V-30-TE-17		
C8504	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	SC8508	DDDF2S6.8UFSG	DIODE DF2S6.8UFS		
C8505	CK1H104ZLZFNG	CERAMIC	0.1U Z	50V	SC8509	DDDF2S6.8UFSG	DIODE DF2S6.8UFS		
C8550	CK1H103KLZBNG	CERAMIC	0.01U K	50V	SC8510	DDDF2S6.8UFSG	DIODE DF2S6.8UFS		
C8551	CK1A105KLZBNG	CERAMIC	1U K	10V	SC8511	DDDF2S6.8UFSG	DIODE DF2S6.8UFS		
C8553	CE1C221M1WANG	ELECT	220U M	16V					

## DIODES

D007	DZ02DZ6.2Y—G	ZENER DIODE 02DZ6.2Y(TPH3)
	DZUDZS6.2B—G	ZD UDZS-TE-176.2B
	DZXLBXB6.2B-G	ZENER DIODE MM3Z6V2B
D008	DZ02DZ6.2Y—G	ZENER DIODE 02DZ6.2Y(TPH3)
	DZUDZS6.2B—G	ZD UDZS-TE-176.2B
	DZXLBXB6.2B-G	ZENER DIODE MM3Z6V2B
D800	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D801	DZ02DZ3.9Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
	DZUDZS3.9B—G	ZD UDZS-TE-173.9B
	DZXLBXB3.9B-G	ZENER DIODE MM3Z3V9B
D1001	DZ02DZ3.9Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
	DZUDZS3.9B—G	ZD UDZS-TE-173.9B
	DZXLBXB3.9B-G	ZENER DIODE MM3Z3V9B
D1002	DZ02DZ3.9Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
	DZUDZS3.9B—G	ZD UDZS-TE-173.9B
	DZXLBXB3.9B-G	ZENER DIODE MM3Z3V9B
D1602	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
	DDSS3P3-M3—G	DIODE SS3P3-M3/84A
D1603	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
	DDSS3P3-M3—G	DIODE SS3P3-M3/84A
D1604	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
	DDSS3P3-M3—G	DIODE SS3P3-M3/84A
D1605	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
	DDSS3P3-M3—G	DIODE SS3P3-M3/84A
D1632	DZ02DZ3.0Y—G	ZENER DIODE 02DZ3.0Y(TPH3)
	DZUDZS3.0B—G	ZENER DIODE UDZS3.0B-TE-1
	DZXLBXB3.0B-G	ZENER DIODE MM3Z3V0B
D1633	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1634	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
	DDSS3P3-M3—G	DIODE SS3P3-M3/84A
D1651	DD1SS352—G	DIODE 1SS352-(TPH3)

## INTEGRATED CIRCUITS

IC001	QSTA333W13TRP	IC STA333W13TR
IC600	QLM1117S-ADJP	IC LM1117S-ADJ
IC800	QXXAAJQ1240—	IC LC87F2932AVU-Y10US1T
IC800A	QXXGA0500125M	IC LC87F2932AVU-QIP-E
IC800C	1AA6P4P2085—	LABEL-LC87F2932AVU-
Y10US1T		
IC801	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
	QXXAVC986—P	IC CAT24C02WI-GT3
IC804	QTC7SET14FU-P	"IC TC7SET14FU-(TE85L,F"
	QXXAVD177—P	"IC 74AHCT1G14GW,125"
IC1610	QBD9845FV—P	IC BD9845FV-E2
IC1611	QBD9845FV—P	IC BD9845FV-E2
IC1630	QPQ070XNA1ZPP	IC PQ070XNA1ZPH
IC1640	QPQ070XNA1ZPP	IC PQ070XNA1ZPH
IC1650	QLM1117S-ADJP	IC LM1117S-ADJ
IC1670	QXXGA0500165P	IC LV5806MX-TLM-H
IC1700	QLV5803M-E—P	IC LV5803M-TE-L-E
IC2401	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2402	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2403	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
	QXXAVC986—P	IC CAT24C02WI-GT3
IC2404	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2405	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC3050	QBA4558RF-E2P	IC BA4558RF-E2
	QNJM4558M—P	IC NJM4558M-TE2
IC5501A	1AA2HER0052—	HEAT SINK SHEET-N7BE
IC5501	QXXAVD156—M	IC BCM3549VSKFSB5G
IC5600	Q74AHC1G08GWP	IC 74AHC1G08GW

Schematic Location	Part No.	Description
IC5601	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC5700	QXXAVD191—M	IC K4T1G164QE-HCF8
IC5701	QXXAVD191—M	IC K4T1G164QE-HCF8
IC5750	QXXAVD076—G	IC PQ018EHS2ZPH
IC5770	QRT9026GSP—P	IC RT9026GSP
IC5800	QXXAAJQ1245—	IC TC58NVG0S3ETA00
IC5800A	QXXAVD168—M	IC TC58NVG0S3ETA00
IC5800C	1AA6P4P2109—	LABEL-TC58NVG0S3ETA00
IC5900	QXXAVD046—P	IC XC6108N28AMR
IC6600	QTDA9996—M	IC TDA9996
IC6601	QLM1117S-ADJP	IC LM1117S-ADJ
IC8500	QRT9711CGB—P	IC RT9711CGB
IC8550	QRT9711CGB—P	IC RT9711CGB

## COILS

L001	1LB4L26B1630G	"INDUCTOR ,22UH"
L002	1LB4L26B1630G	"INDUCTOR ,22UH"
L003	1LB4L26B1630G	"INDUCTOR ,22UH"
L009	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L011	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L012	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L013	1LB4L26B1630G	"INDUCTOR ,22UH"
L017	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L018	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L019	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L020	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L800	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L801	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L1602	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1605	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1606	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1608	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1609	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1610	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1613	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1614	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1620	1LB4L2XA100MG	"INDUCTOR,10.0U M"
L1621	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1622	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1623	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1624	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1625	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1632	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1641	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1646	1LB4L2XA100MG	"INDUCTOR,10.0U M"
L1647	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1648	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1653	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1664	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1665	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1672	1LB4L2XA100MG	"INDUCTOR,10.0U M"
L1673	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1674	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
L1695	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L1716	1LB4L26B1180G	INDUCTOR 10U M
L1750	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1800	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L2000	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L2001	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L2002	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L2003	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L2004	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L2005	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L3000	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5500	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5501	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5502	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5503	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5504	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5505	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5506	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L5507	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5508	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5509	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5510	1AV4L2GAR33JG	"INDUCTOR,0.33U J"
L5511	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5513	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5514	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5515	1AV4L2GA2R2JG	"INDUCTOR,2.2U J"
L5516	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5517	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5518	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5519	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5520	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5521	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5522	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L5523	1LB4L26B1300G	"INDUCTOR 1000OHM, P"
L5753	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5754	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5770	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5771	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L5772	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L5800	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6103	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L6105	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L6107	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6108	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6112	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6113	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6117	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6124	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6302	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6303	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6304	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6305	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6306	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6307	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6323	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L6325	1LB4L26B0740G	"INDUCTOR , 220 OHM"

Schematic Location	Part No.	Description
L6326	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6403	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6600	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L6601	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6602	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6605	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L8501	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L8551	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
<b>TRANSISTORS</b>		
Q800	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q801	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q806	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q808	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1001	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1002	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1005	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1006	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1007	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1008	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1009	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1010	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1011	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1012	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1600	TA04449—P	TR A04449
Q1602	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S

Schematic Location	Part No.	Description
Q1603	TXXLBB006—P T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR MMBTSC3928R TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1630	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1634	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1640	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1641	TA04449——P	TR A04449
Q1700	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1801	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1802	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1805	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q1806	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q2400	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q2450	TUM6K1N——P	TR UM6K1N-TN
Q5500	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q5750	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q8500	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R
Q8550	T2SC3928A1R-P T2SC3928A1S-P TXXLBB006—P	TR 2SC3928A1R TR 2SC3928A1S TR MMBTSC3928R

Schematic Location	Part No.	Description	
R009	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R010	RGF10R0JTCANL	MT-GLAZE	10 JA 1/10W
R011	RGF1201JTCANL	MT-GLAZE	1.2K JA 1/10W
R012	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R013	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R015	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R019	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R022	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R023	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R601	RGF1200FTCANL	MT-GLAZE	120 FA 1/10W
R602	RGF12R0JTCANL	MT-GLAZE	12 JA 1/10W
R603	RGF2200FTCANL	MT-GLAZE	220 FA 1/10W
R800	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R803	RGF10R0JTCANL	MT-GLAZE	10 JA 1/10W
R804	RGF2702JTCANL	MT-GLAZE	27K JA 1/10W
R805	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R806	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R807	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R810	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R811	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R813	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R818	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R819	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R820	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R821	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R826	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R827	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R828	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R829	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R830	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R831	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R833	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R836	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R839	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R840	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R841	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R845	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R847	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R848	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R851	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R852	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R854	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R856	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R857	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R858	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R859	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R860	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R861	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R862	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R865	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R868	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R870	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R871	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R875	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R876	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R877	RGF303JTCANL	MT-GLAZE	330K JA 1/10W

Schematic Location	Part No.	Description	
R879	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R881	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R883	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R884	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R885	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R886	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R887	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R888	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R890	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R891	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R892	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R893	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R894	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R897	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R899	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1001	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1005	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W
R1006	RGF82R0JTCANL	MT-GLAZE	82 JA 1/10W
R1010	RGF4R70JTCANL	MT-GLAZE	4.7 JA 1/10W
R1012	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1014	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1015	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1016	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1018	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1019	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1020	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1021	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1022	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1030	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1036	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R1037	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R1038	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R1040	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R1041	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R1042	RGF1003JTCANL	MT-GLAZE	100K JA 1/10W
R1043	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1044	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1045	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1046	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1047	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1048	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1049	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1050	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1051	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1052	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1053	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1054	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1055	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1056	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1057	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1058	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1065	RGF4R70JTCANL	MT-GLAZE	4.7 JA 1/10W
R1066	RGF4R70JTCANL	MT-GLAZE	4.7 JA 1/10W
R1085	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1089	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1097	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W

Schematic Location	Part No.	Description		Schematic Location	Part No.	Description	
R1099	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1677	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R1101	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1678	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1103	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1680	RN1R005JTFANL	MT-FILM	0.005 JA 1W
R1105	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1681	RGF18R0JTCANL	MT-GLAZE	18 JA 1/10W
R1107	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1684	RG14700JTEANL	MT-GLAZE	470 JA 1W
R1109	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1696	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W
R1111	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W	R1698	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1600	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R1701	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1607	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R1702	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R1611	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W	R1703	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1612	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W	R1704	RGF1001FTCANL	MT-GLAZE	1K FA 1/10W
R1613	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W	R1705	RGF5601JTCANL	MT-GLAZE	5.6K JA 1/10W
R1614	RGF2401JTCANL	MT-GLAZE	2.4K JA 1/10W	R1707	RGF4701FTCANL	MT-GLAZE	4.7K FA 1/10W
R1615	RGF1002FTCANL	MT-GLAZE	10K FA 1/10W	R1709	RGF6800JTCANL	MT-GLAZE	680 JA 1/10W
R1616	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W	R1800	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1617	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W	R1801	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1618	RGF1002FTCANL	MT-GLAZE	10K FA 1/10W	R1802	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1619	RGF2000JTCANL	MT-GLAZE	200 JA 1/10W	R1805	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1620	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W	R1806	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1621	RGF2201FTCANL	MT-GLAZE	2.2K FA 1/10W	R1807	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1622	RGF1002FTCANL	MT-GLAZE	10K FA 1/10W	R1808	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1623	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W	R1810	RGF3300JTCANL	MT-GLAZE	330 JA 1/10W
R1624	RGF18R0JTCANL	MT-GLAZE	18 JA 1/10W	R1811	RGF3300JTCANL	MT-GLAZE	330 JA 1/10W
R1625	RN1R005JTFANL	MT-FILM	0.005 JA 1W	R1812	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1626	RGF1001FTCANL	MT-GLAZE	1K FA 1/10W	R1826	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1627	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W	R1827	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1628	RGF1502FTCANL	MT-GLAZE	15K FA 1/10W	R1829	1LB4L26B1300G	"INDUCTOR 1000OHM, P"	
R1630	RGF1001FTCANL	MT-GLAZE	1K FA 1/10W	R1830	1LB4L26B1300G	"INDUCTOR 1000OHM, P"	
R1631	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R1833	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1632	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R1835	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1633	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R1837	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1635	RGF5601JTCANL	MT-GLAZE	5.6K JA 1/10W	R1842	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R1636	RGF2200FTCANL	MT-GLAZE	220 FA 1/10W	R1844	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1638	RGF1501FTCANL	MT-GLAZE	1.5K FA 1/10W	R1847	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1640	RGF1001FTCANL	MT-GLAZE	1K FA 1/10W	R1848	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1641	RGF1001FTCANL	MT-GLAZE	1K FA 1/10W	R1852	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1642	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W	R1856	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1643	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R1863	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1644	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W	R1869	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1646	RGF2200JTCANL	MT-GLAZE	220 JA 1/10W	R1870	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R1647	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R2406	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1648	RGF1001FTCANL	MT-GLAZE	1K FA 1/10W	R2407	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1649	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R2408	RGF1503JTCANL	MT-GLAZE	150K JA 1/10W
R1650	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W	R2409	RGF2203JTCANL	MT-GLAZE	220K JA 1/10W
R1651	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R2410	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1656	RGF2200JTCANL	MT-GLAZE	220 JA 1/10W	R2411	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R1662	RGF1200FTCANL	MT-GLAZE	120 FA 1/10W	R2412	RGF47R0JTCANL	MT-GLAZE	4.7 JA 1/10W
R1663	RGF12R0JTCANL	MT-GLAZE	12 JA 1/10W	R2414	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1664	RGF8200FTCANL	MT-GLAZE	820 FA 1/10W	R2415	RGF3303JTCANL	MT-GLAZE	330K JA 1/10W
R1668	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R2419	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1669	RGF1003FTCANL	MT-GLAZE	100K FA 1/10W	R2420	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R1670	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W	R2432	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1671	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W	R2434	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1675	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W	R2435	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R1676	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R2436	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W

Schematic Location	Part No.	Description	
R2437	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R2445	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R2446	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R2447	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R2450	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R2451	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R2455	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R2456	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R2459	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R2460	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R2461	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R3050	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R3051	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R3052	RGF1502FTCANL	MT-GLAZE	15K FA 1/10W
R3053	RGF1502FTCANL	MT-GLAZE	15K FA 1/10W
R3054	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R3055	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R3056	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R3057	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R3058	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R3059	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R3060	RGF1502FTCANL	MT-GLAZE	15K FA 1/10W
R3061	RGF1502FTCANL	MT-GLAZE	15K FA 1/10W
R3062	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R3063	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5499	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5507	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5508	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5512	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5514	RGF2400JTCANL	MT-GLAZE	240 JA 1/10W
R5515	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5516	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5517	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5518	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5522	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5523	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5525	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5526	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R5527	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R5529	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5532	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5535	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5539	RGF22R0JTCANL	MT-GLAZE	22 JA 1/10W
R5540	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5541	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5542	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5543	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5544	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5550	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5551	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5554	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5555	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5560	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5561	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5562	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5563	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W

Schematic Location	Part No.	Description	
R5566	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5570	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5574	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5575	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5576	RGF39R0JTCANL	MT-GLAZE	39 JA 1/10W
R5577	RGF1201JTCANL	MT-GLAZE	1.2K JA 1/10W
R5578	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5581	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5582	RGF3901FTCANL	MT-GLAZE	3.9K FA 1/10W
R5583	RGF1200FTCANL	MT-GLAZE	120 FA 1/10W
R5584	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5585	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5587	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R5588	RGF27R0JTCANL	MT-GLAZE	27 JA 1/10W
R5589	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5590	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5593	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5595	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5596	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5597	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R5598	RGF27R0JTCANL	MT-GLAZE	27 JA 1/10W
R5599	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5600	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5603	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5604	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5605	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5606	RGF82R0JTCANL	MT-GLAZE	82 JA 1/10W
R5607	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5608	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5609	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5610	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R5611	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5613	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5614	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5615	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5616	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5617	RGF22R0JTCANL	MT-GLAZE	22 JA 1/10W
R5619	RGF3300FTCANL	MT-GLAZE	330 FA 1/10W
R5621	RGF22R0JTCANL	MT-GLAZE	22 JA 1/10W
R5622	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5623	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5625	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5626	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5627	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5628	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5629	RGF2200JTCANL	MT-GLAZE	220 JA 1/10W
R5630	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5632	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5634	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5636	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5637	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5638	RGF2R20JTCANL	MT-GLAZE	2.2 JA 1/10W
R5640	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5641	RGF5600FTCANL	MT-GLAZE	560 FA 1/10W
R5642	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W
R5643	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W

Schematic Location	Part No.	Description		Schematic Location	Part No.	Description	
R5644	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R5815	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5645	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R5816	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5646	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R5819	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5647	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R5821	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5648	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R5822	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5650	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R5825	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5651	RGF2R20JTCANL	MT-GLAZE	2.2 JA 1/10W	R5827	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5652	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R5828	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W
R5654	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R5901	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5655	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W	R5902	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5659	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R5950	RGF2R20JTCANL	MT-GLAZE	22 JA 1/10W
R5660	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R5954	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5661	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R5955	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5662	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R5957	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5663	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R5959	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5664	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R5962	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R5665	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R5963	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5666	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R5964	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5667	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R6000	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W
R5668	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R6001	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W
R5669	RGG1000JTHANL	MT-GLAZE	100 JA 1/16W	R6002	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W
R5675	RGF2R20JTCANL	MT-GLAZE	2.2 JA 1/10W	R6003	RGF27R0JTCANL	MT-GLAZE	27 JA 1/10W
R5676	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R6004	RGF10R0JTCANL	MT-GLAZE	10 JA 1/10W
R5678	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R6007	RGF4R70JTCANL	MT-GLAZE	4.7 JA 1/10W
R5680	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R6008	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5682	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R6009	RGF4R70JTCANL	MT-GLAZE	4.7 JA 1/10W
R5684	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W	R6010	RGF10R0JTCANL	MT-GLAZE	10 JA 1/10W
R5685	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R6011	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W
R5686	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R6012	RGF27R0JTCANL	MT-GLAZE	27 JA 1/10W
R5687	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R6013	RGF33R0JTCANL	MT-GLAZE	33 JA 1/10W
R5688	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6101	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5689	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6104	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5690	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6105	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5691	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6107	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5692	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6109	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5693	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6319	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5694	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6321	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5695	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W	R6322	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5700	RGG1000JTHANL	MT-GLAZE	100 JA 1/16W	R6329	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5701	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R6332	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5707	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R6341	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R5709	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R6342	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5710	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R6347	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5711	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R6364	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R5720	RGG1000JTHANL	MT-GLAZE	100 JA 1/16W	R6365	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5721	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R6366	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5750	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W	R6381	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R5751	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R6382	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5752	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W	R6397	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5756	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W	R6398	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5780	RGF75R0JTCANL	MT-GLAZE	75 JA 1/10W	R6413	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5800	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W	R6414	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R5801	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W	R6419	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R5802	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R6420	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R5811	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W	R6502	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R5813	RGF3301JTCANL	MT-GLAZE	3.3K JA 1/10W	R6503	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W

Schematic Location	Part No.	Description	
R6505	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6506	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6507	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6508	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6509	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6510	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6511	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6512	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6513	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6514	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6552	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6553	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6555	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6556	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6557	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6563	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6564	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6565	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6566	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6567	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6568	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6569	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6582	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6583	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6585	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6586	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6587	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6588	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6589	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6590	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6591	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6592	RGF5R60JTCANL	MT-GLAZE	5.6 JA 1/10W
R6593	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6594	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6603	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6604	RGF1202FTCANL	MT-GLAZE	12K FA 1/10W
R6612	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6613	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6616	RGF2200FTCANL	MT-GLAZE	220 FA 1/10W
R6617	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6618	RGF1200FTCANL	MT-GLAZE	120 FA 1/10W
R6619	RGF3300JTCANL	MT-GLAZE	330 JA 1/10W
R8500	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R8502	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R8504	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R8505	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R8506	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R8513	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R8514	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R8550	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R8552	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R8554	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R8555	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R8556	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
RB5780	1LB4R1YB750JG	R-NETWORK	75X4 0.0 63W
RB5781	1LB4R1YB750JG	R-NETWORK	75X4 0.0 63W

Schematic Location	Part No.	Description	
RB5782	1LB4R1YB750JG	R-NETWORK	75X4 0.0 63W
RB5783	1LB4R1YB750JG	R-NETWORK	75X4 0.0 63W
RB5784	1LB4R1YB750JG	R-NETWORK	75X4 0.0 63W
RB5785	1LB4R1YB750JG	R-NETWORK	75X4 0.0 63W

## CRYSTAL/OSCILLATOR

X800	1AV4V11B1771G	"OSC,CERAMIC 8.00MHZ"
X801	1AV4V10B0560N	"OSC,CRYSTAL 32.768KHZ"
X5500	1AV4V10B9440N	"OSC,CRYSTAL 54MHZ"

Schematic Location	Part No.	Description	Schematic Location	Part No.	Description
<b>MISCELLANEOUS</b>					
△ A100	1AA0B10N287B0	"ASSY,PWB,MAIN N8VG"	△ PB5500	1AA4B10N24700	"PWB,MAIN N8TE"
△ A200	1AA0B10N28400	"ASSY,PWB,KEY_SW N8VF"			
△ A300	1AA0B10N28500	"ASSY,PWB,RC_LED A N8LF"			
△ A400	1AA0B10N289A0	"ASSY,PWB,120HZ N8VG"			
△ A500	1AA0B10N29000	"ASSY,PWB,POWER N7AL"			
△ A6100	1AV4F1BAZ0130	"TUNER,U/V"			
EL901	1AV4T40C19300	LCD(LC470WUD-SCG1)			
K1001	1LB4J11B0750N	"SOCKET,DIN 4P"			
K1002	1LB4J12B13500	"JACK,RCA-3"			
K1003	1LB4J12B13601	"JACK,RCA-5"			
K1005	1LB4J12B13700	"JACK,RCA-2"			
K1006	1LB4J12B13001	"JACK,RCA-1"			
K1007	1LB4J12B09103	"JACK,RCA-3"			
K1008	1LB4J12B13100	"JACK,RCA-2"			
K2401	1LB4J12B11900	"JACK,PHONE D3.6"			
K2402	1LB4J11B0630N	"SOCKET,D-SUB 15P"			
K5LVDS	1AV4J10XC400G	"PLUG,40P"			
K6400	1AV4L18B0720M	"TRANS,PULSE"			
K6400	1LB4L18B0190N	"TRANS,PULSE"			
K6501	1AV4J11B9810G	"SOCKET,IF(HDMI) 19P"			
K6503	1AV4J11B9790G	"SOCKET,IF(HDMI) 19P"			
K6504	1AV4J11B9790G	"SOCKET,IF(HDMI) 19P"			
K802	1AV4J10EA053N	"PLUG,5P"			
K803	1AV4J10EA073N	"PLUG,7P"			
K8B	1AV4J10FT140N	"PLUG,PWB 14P"			
K8CTRA	1AV4J10AV033N	"PLUG,3P"			
K8D	1AV4J10AV103N	"PLUG,10P"			
K8FR	1AV4J10AR061N	"PLUG,6P"			
K8L	1AV4J10AV053N	"PLUG,5P"			
KCOM	1AV4J10AU045N	"PLUG,4P"			
KSP	1AV4J10AR041N	"PLUG,4P"			
KTEST2	1AV4J10ES046G	"PLUG,PWB 4P"			
KUSB	1LB4J11B0770N	"SOCKET,USB 4PX2"			

"For Main unit replacement please get the correct assembly name/part number"

Service Name: ASSY, PWB, MAIN N8VG

Japan BOM part number: 1AA0B10N287B0

"For Power unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,POWER N7AL

Japan BOM part number: 1AA0B10N29000

"For 120Hz unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,120HZ N8VG

Japan BOM part number: 1AA0B10N289A0

"For KEW\_SW unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,KEY\_SW N8VF

Japan BOM part number: 1AA0B10N28400

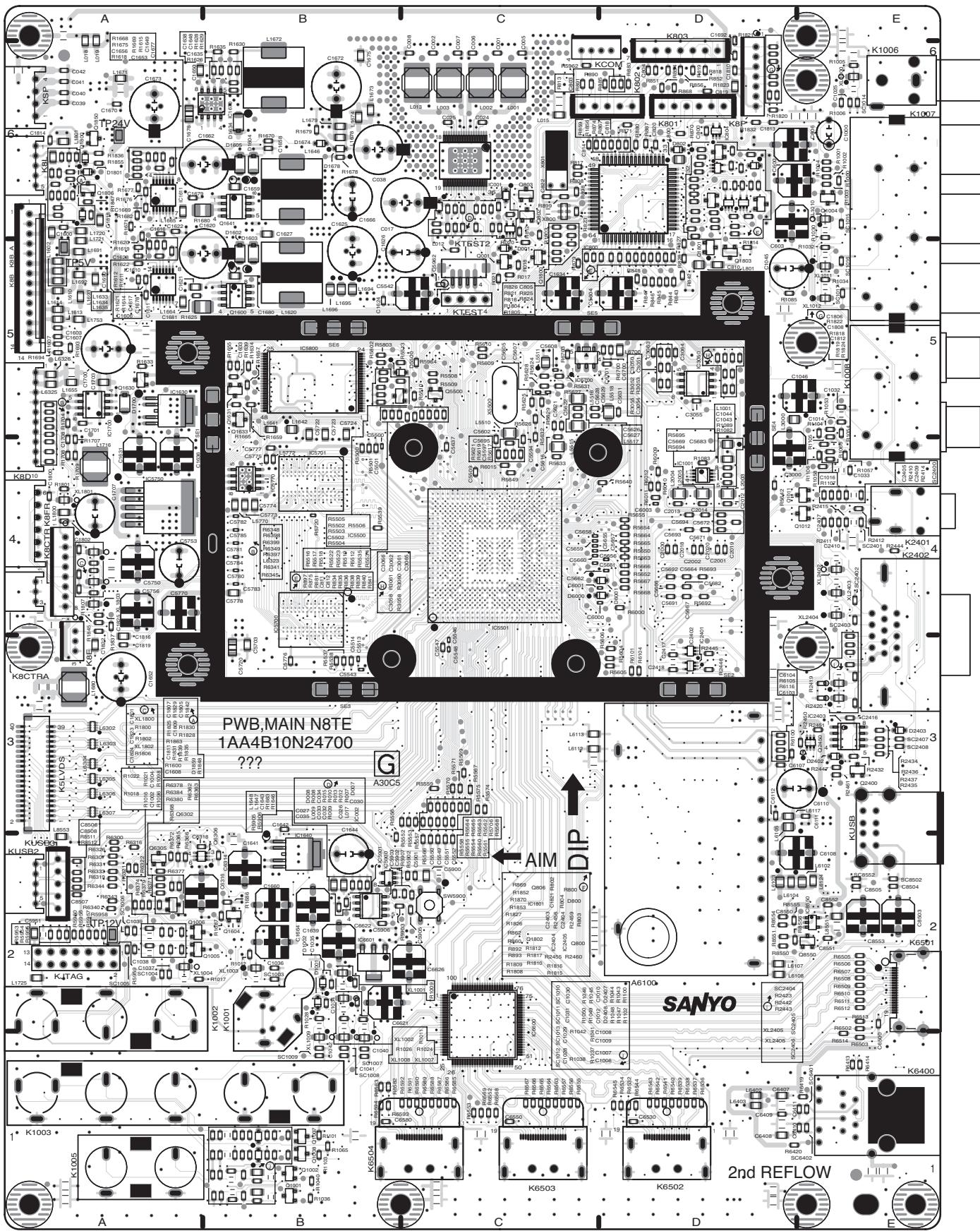
"For RC\_LED unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,RC\_LED A N8LF

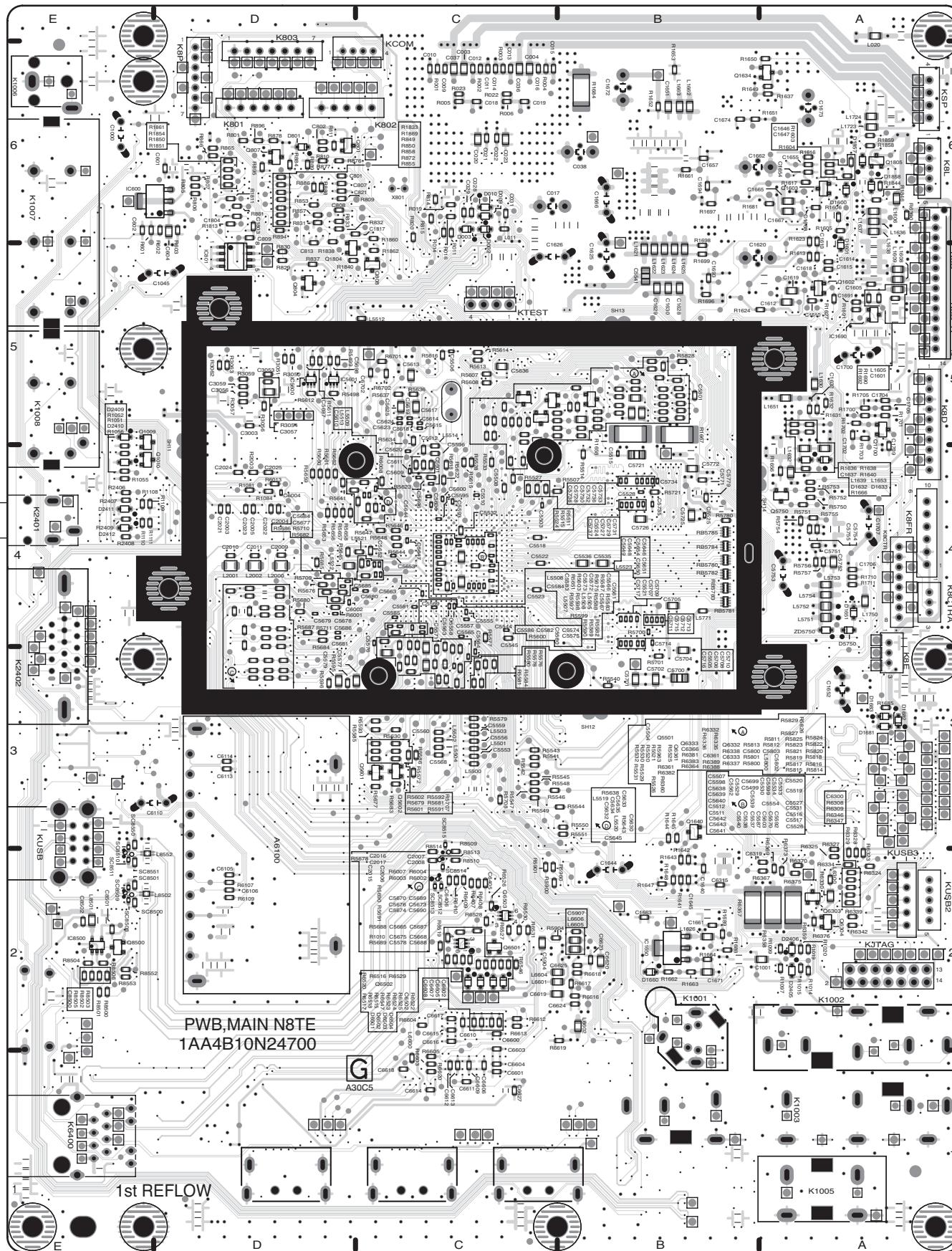
Japan BOM part number: 1AA0B10N28500

# COMPONENT AND TESTPOINT LOCATIONS

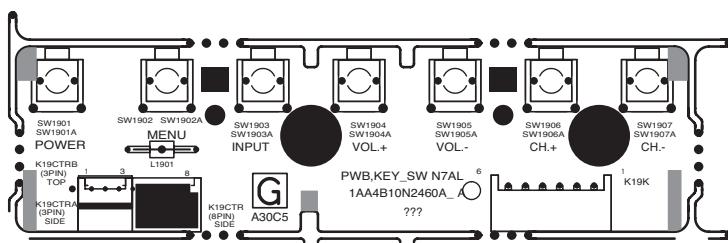
## MAIN BOARD PARTS SIDE



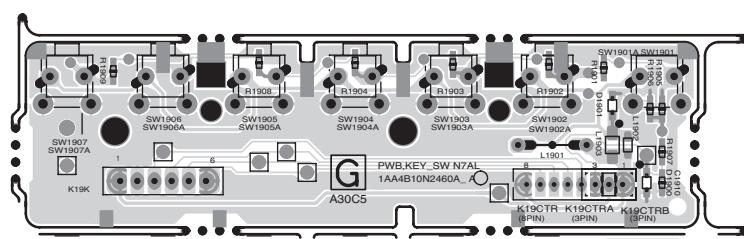
## **MAIN BOARD SOLDER SIDE**



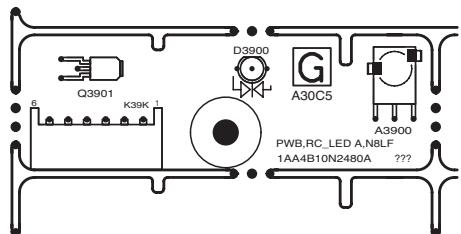
## CONTROL BOARD PART SIDE



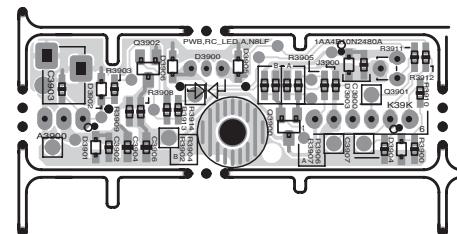
## CONTROL BOARD SOLDER SIDE



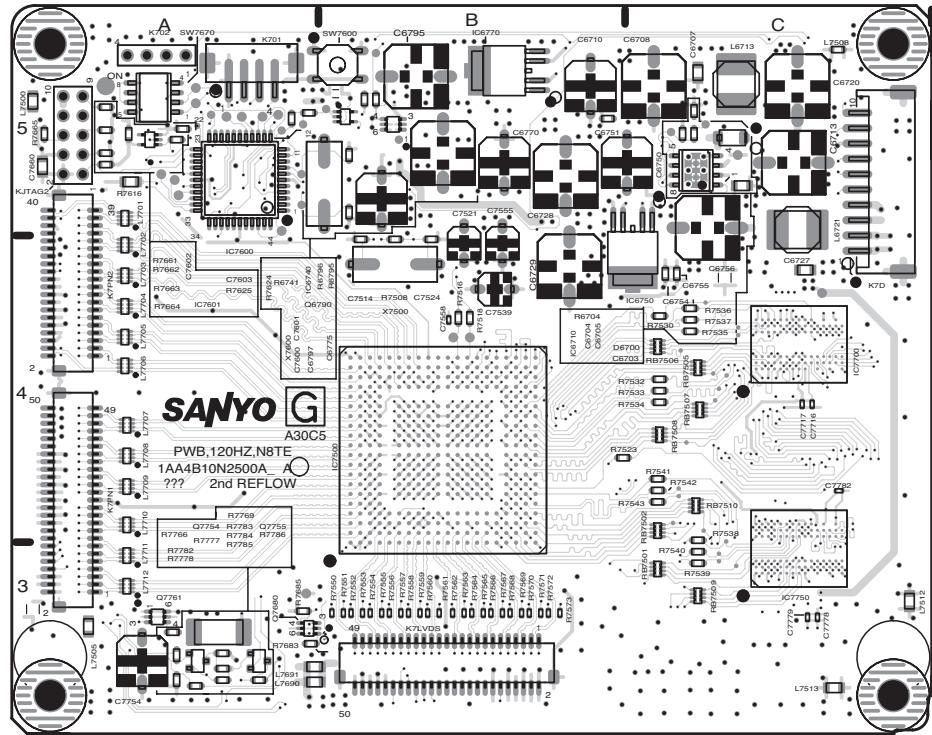
## PWB RC\_LED PART SIDE



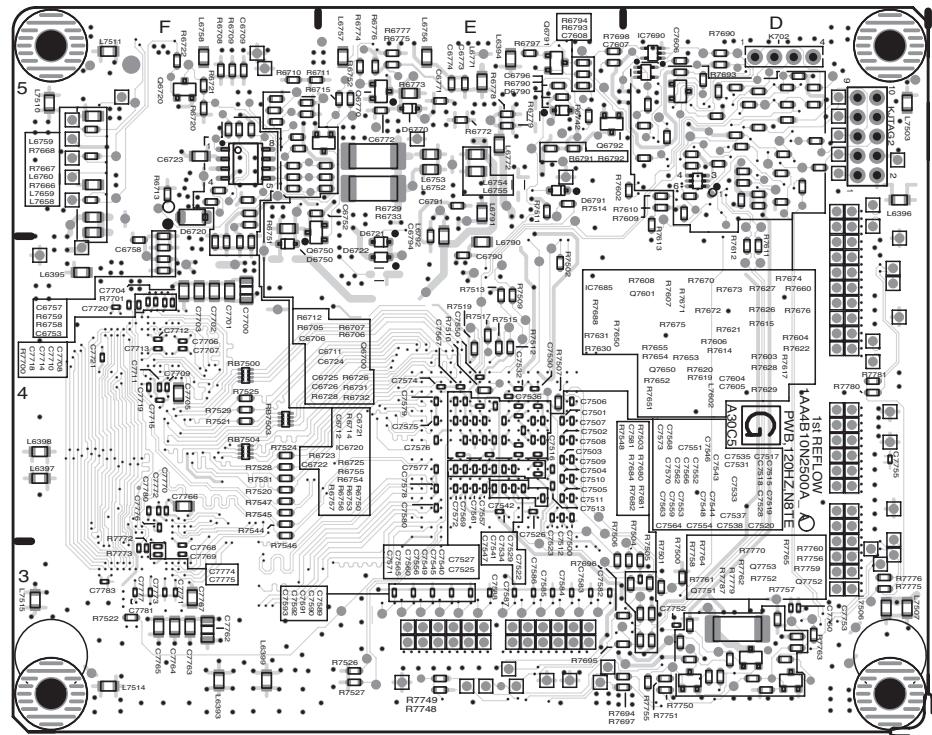
## PWB RC\_LED SOLDER SIDE



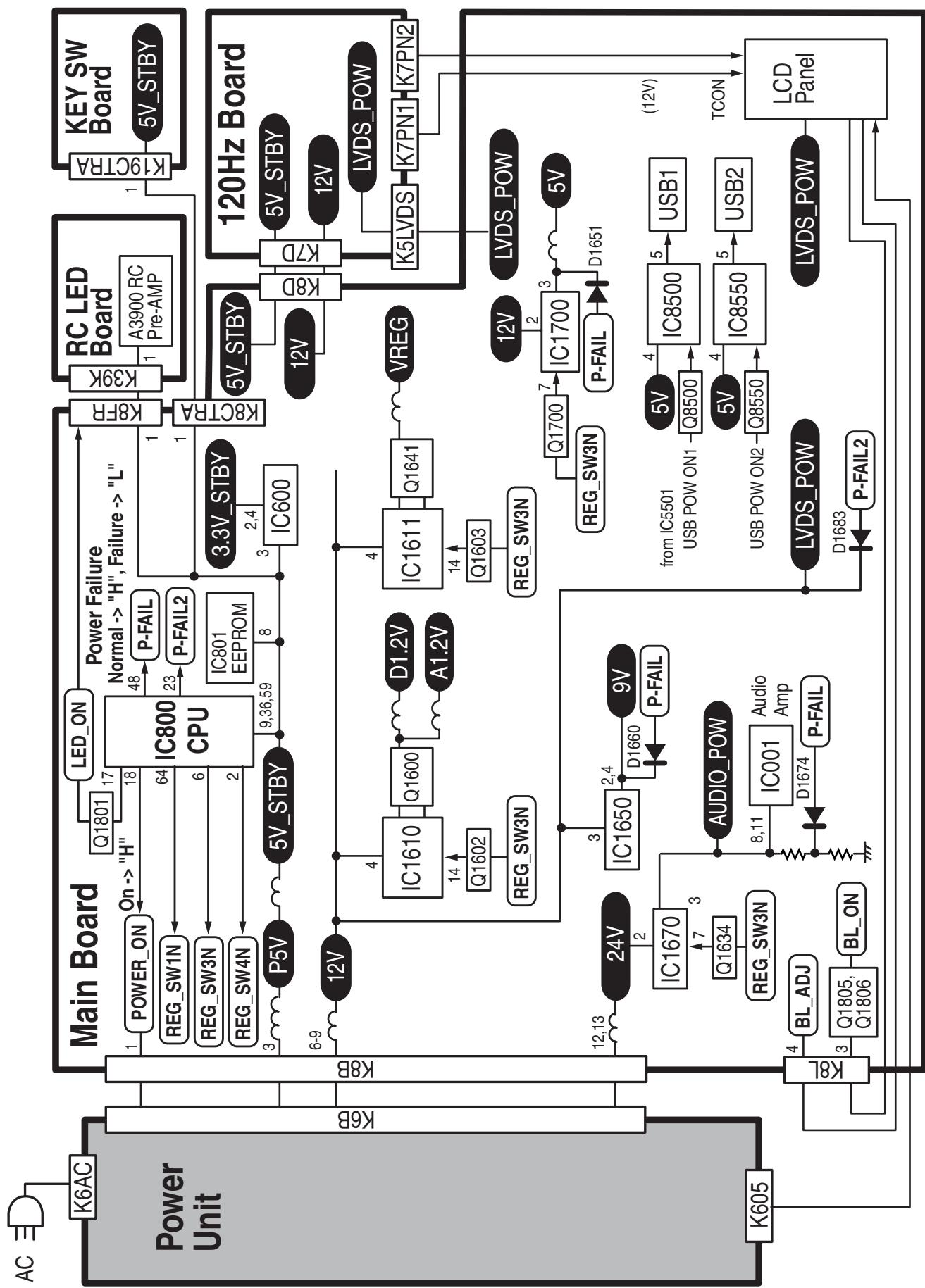
## **120 Hz COMPONENT SIDE**



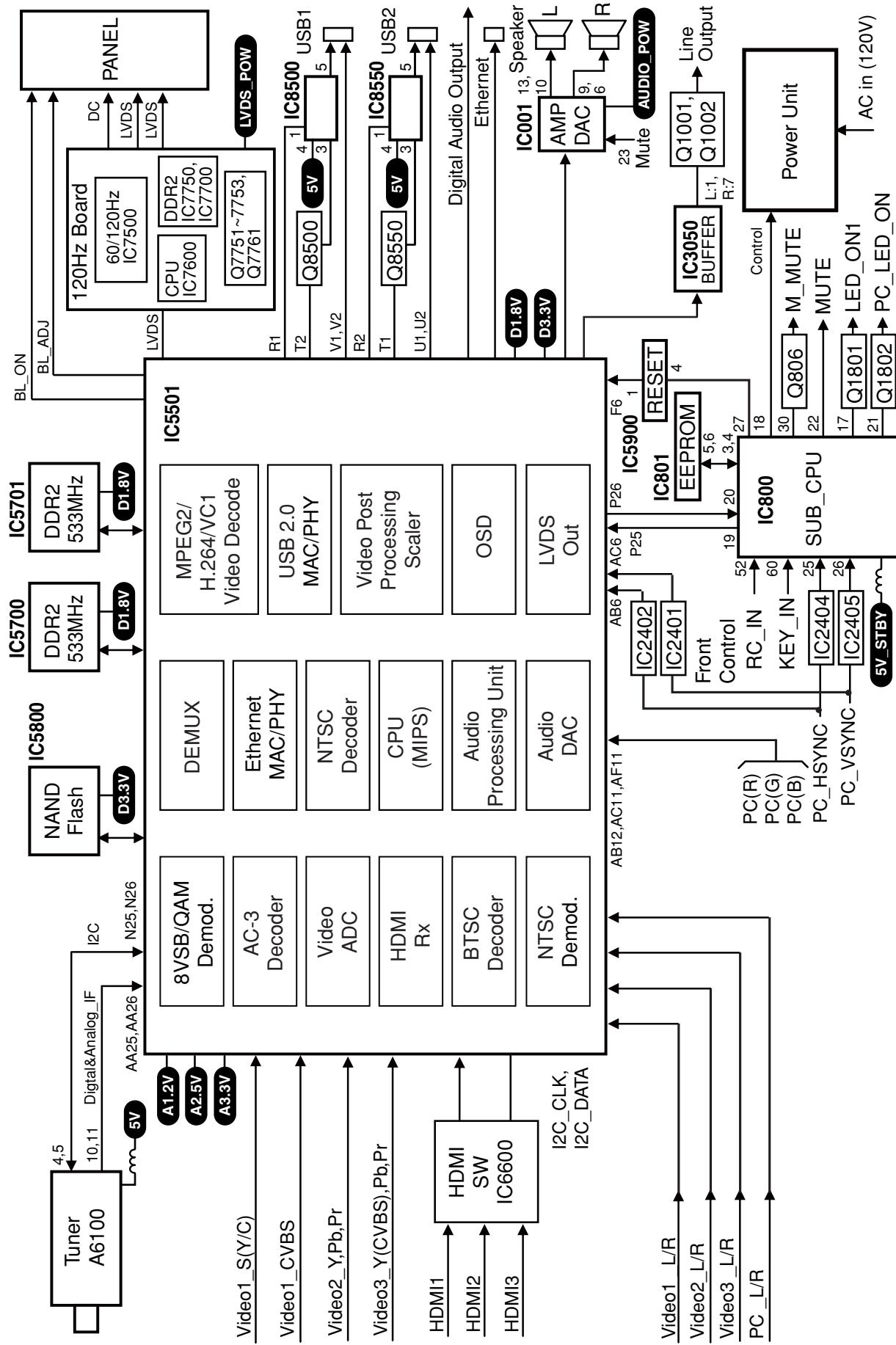
## **120 Hz SOLDER SIDE**



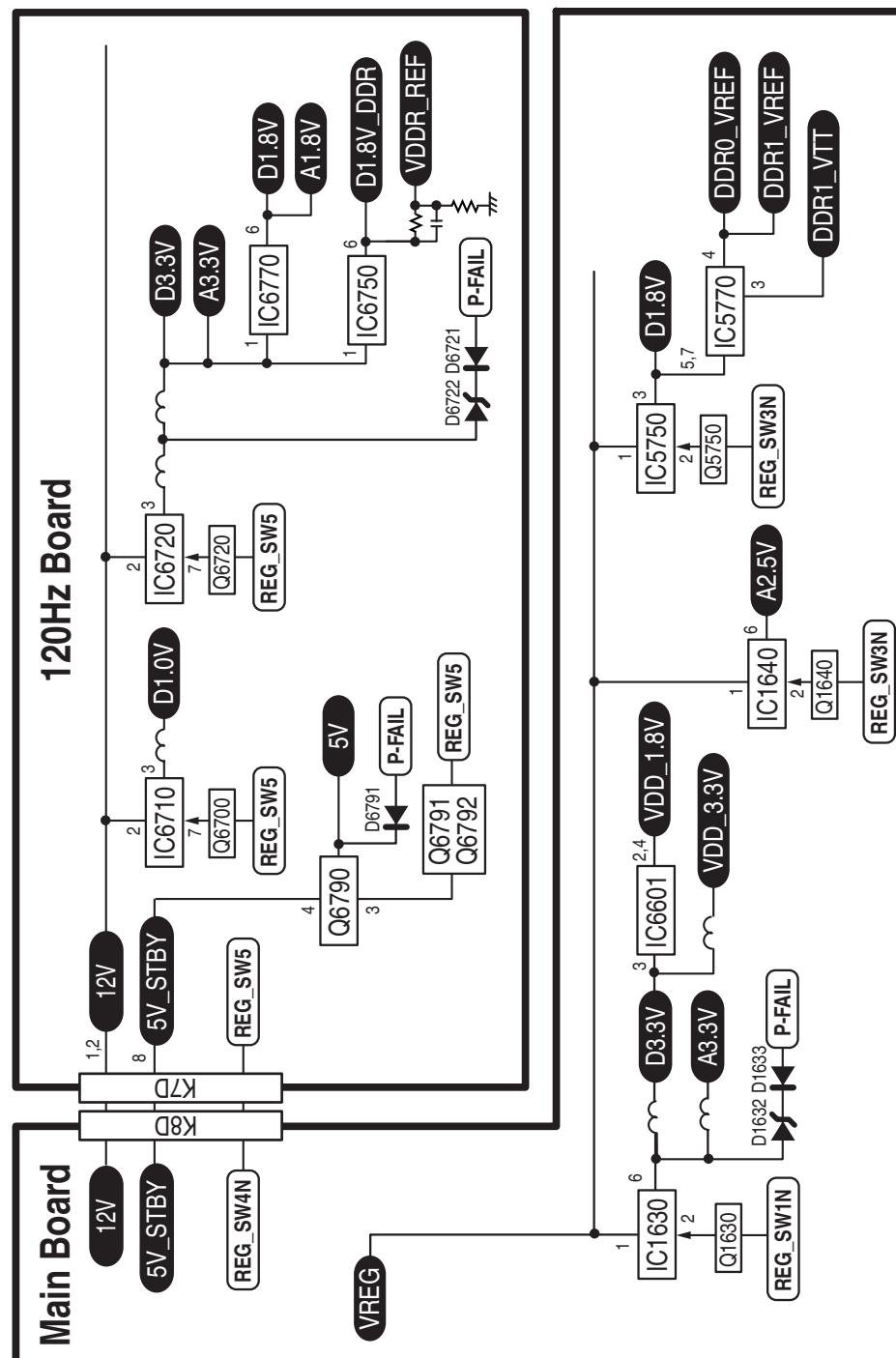
# BLOCK DIAGRAM POWER LINES



# BLOCK DIAGRAM SIGNAL LINES

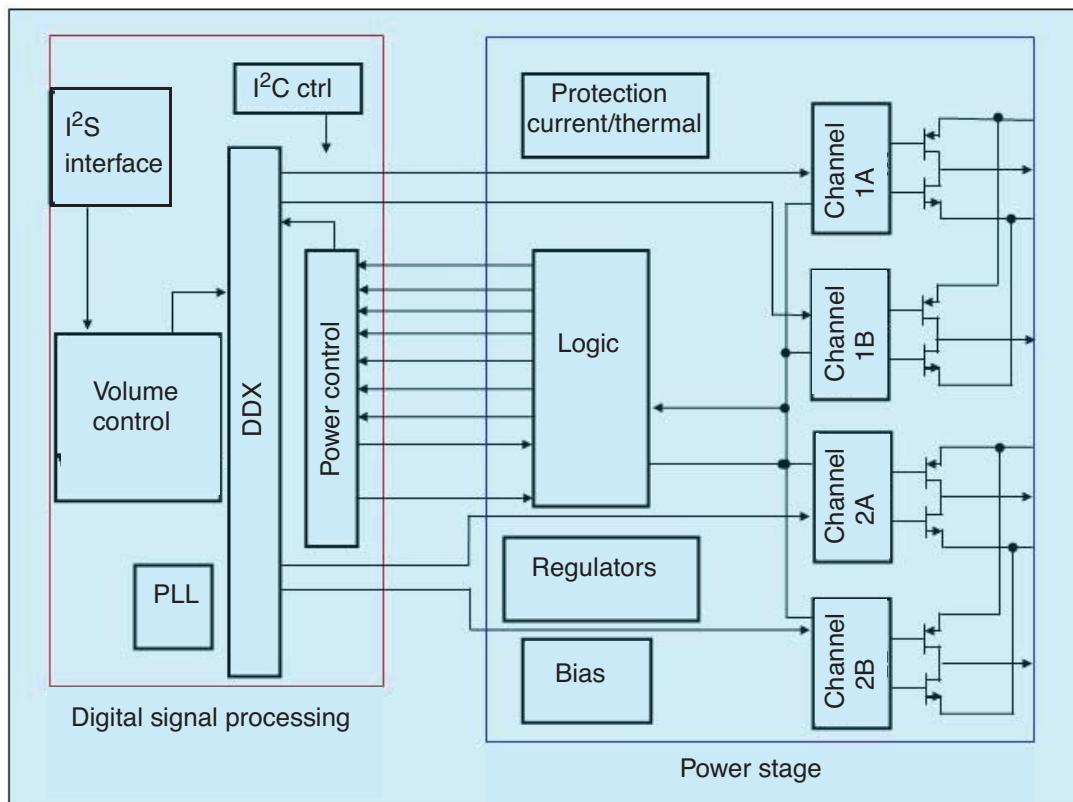


# 120 Hz POWER LINES

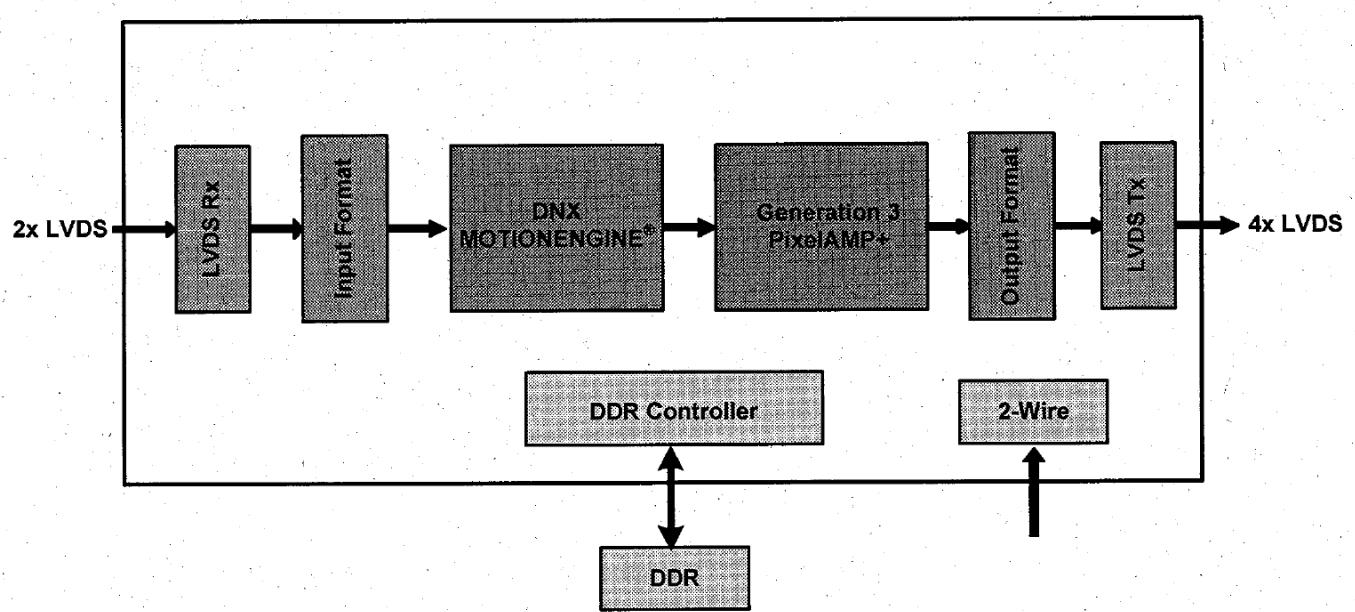


# IC BLOCK DIAGRAMS

## IC001, Audio AMP

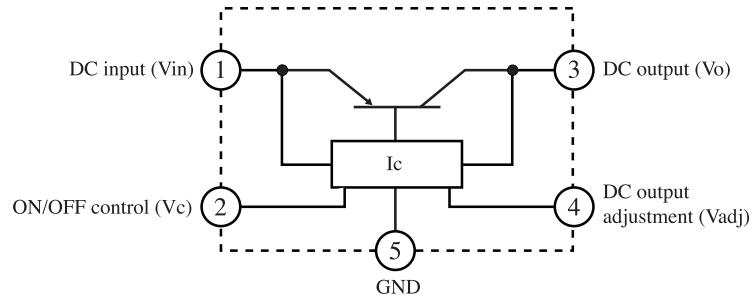


## IC7500

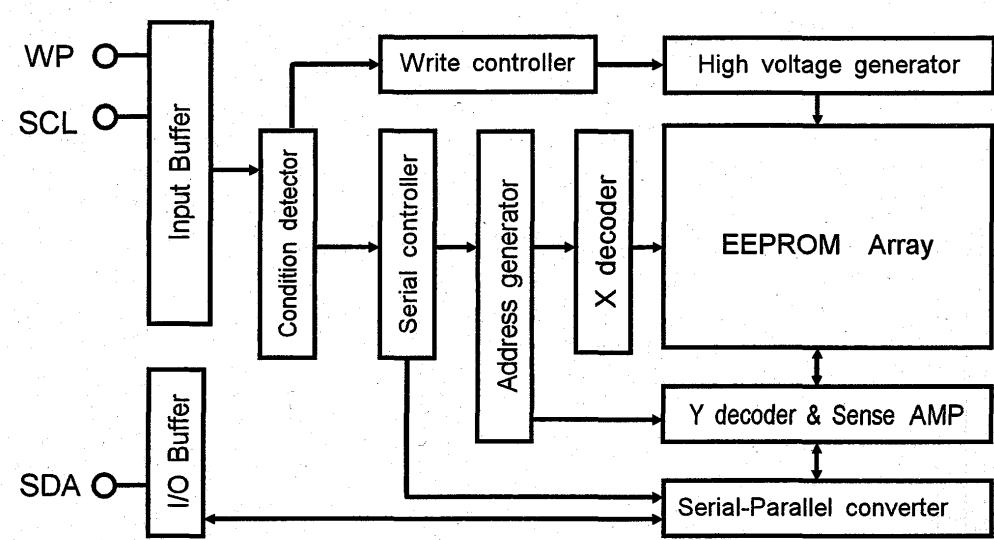


# IC BLOCK DIAGRAMS (CONT.)

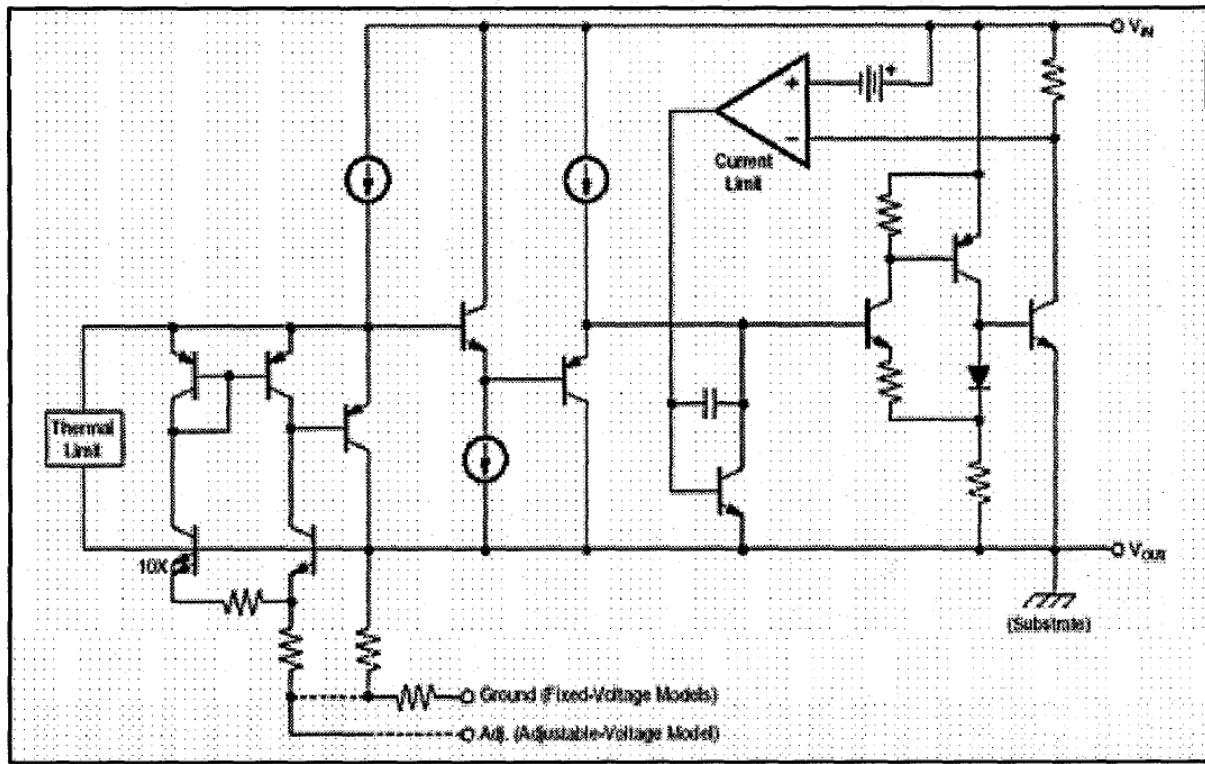
## IC1640, IC1630 DC to DC Converter



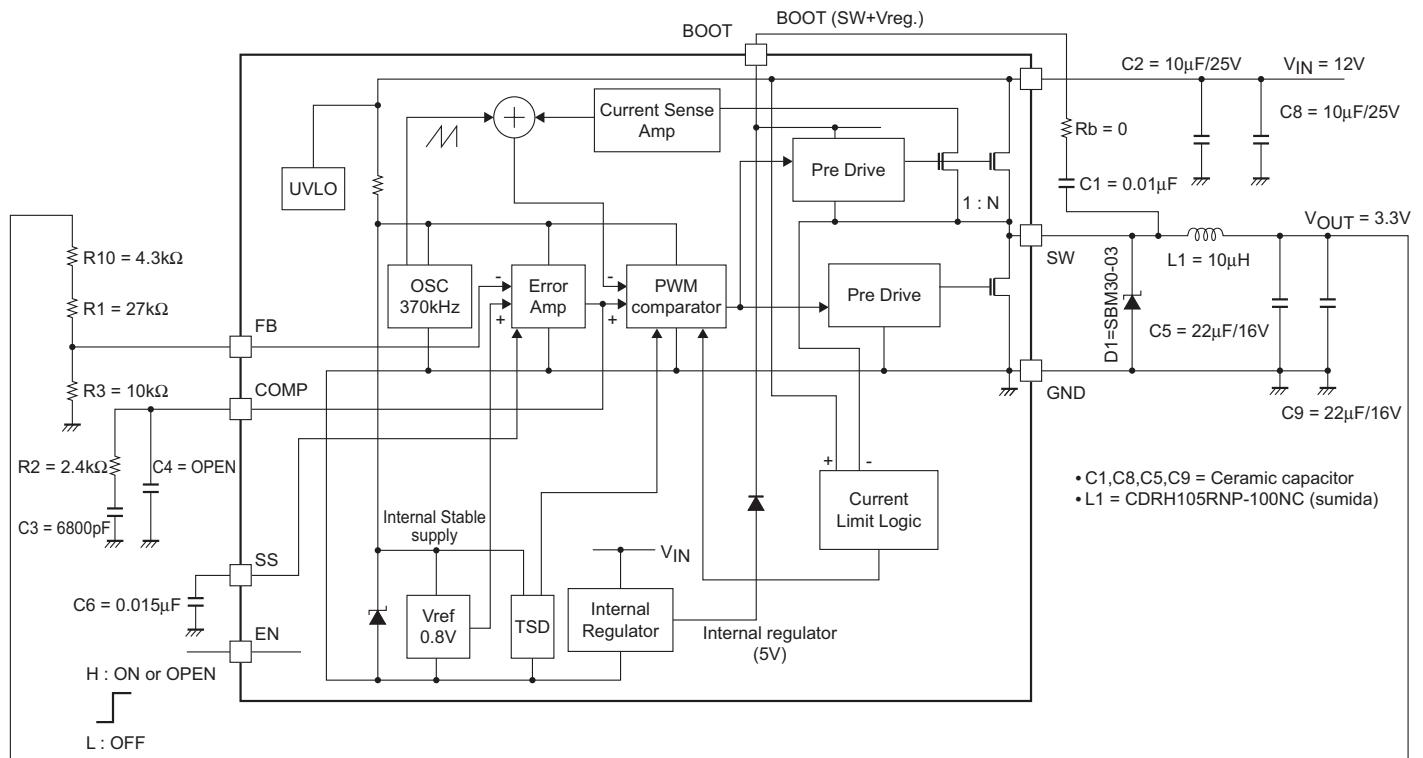
## IC801, EEPROM



## IC1650, IC6601, IC600 DC to DC Converter

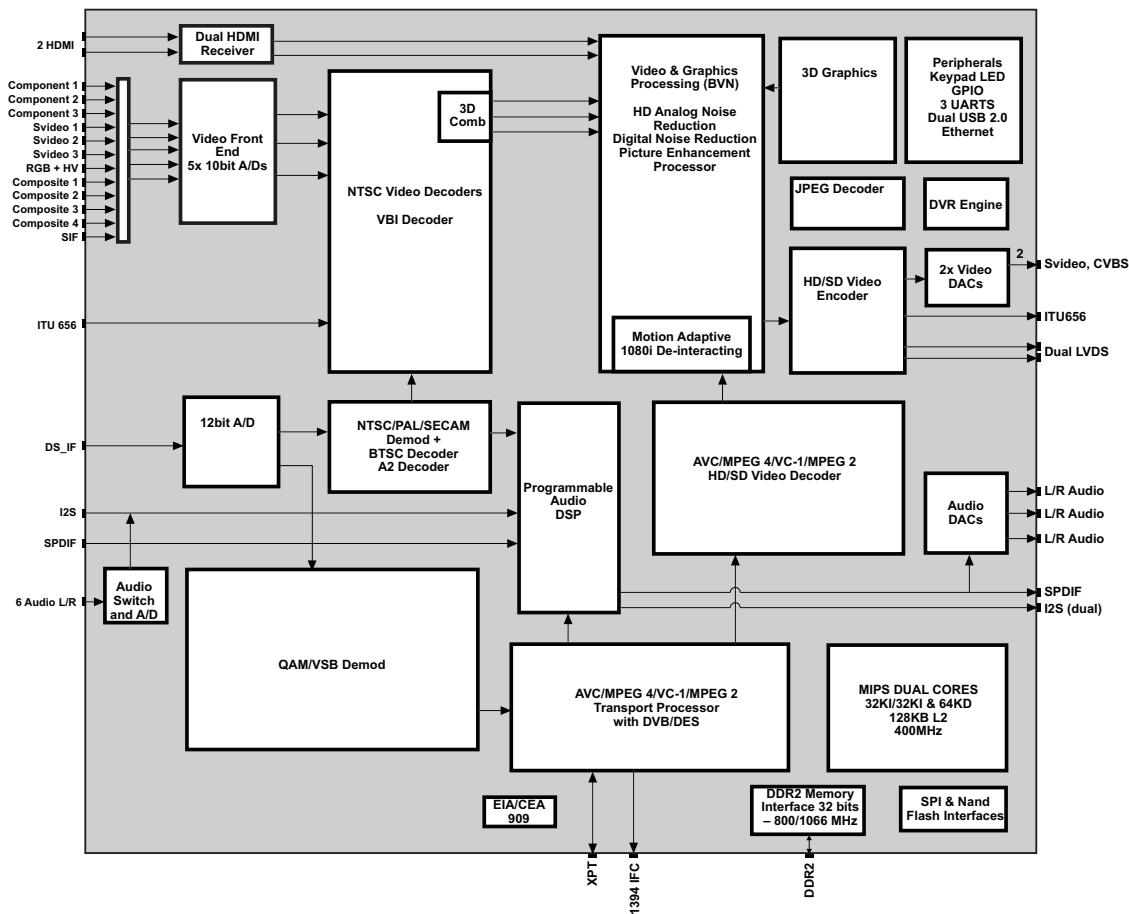


## IC1670, DC to DC Converter

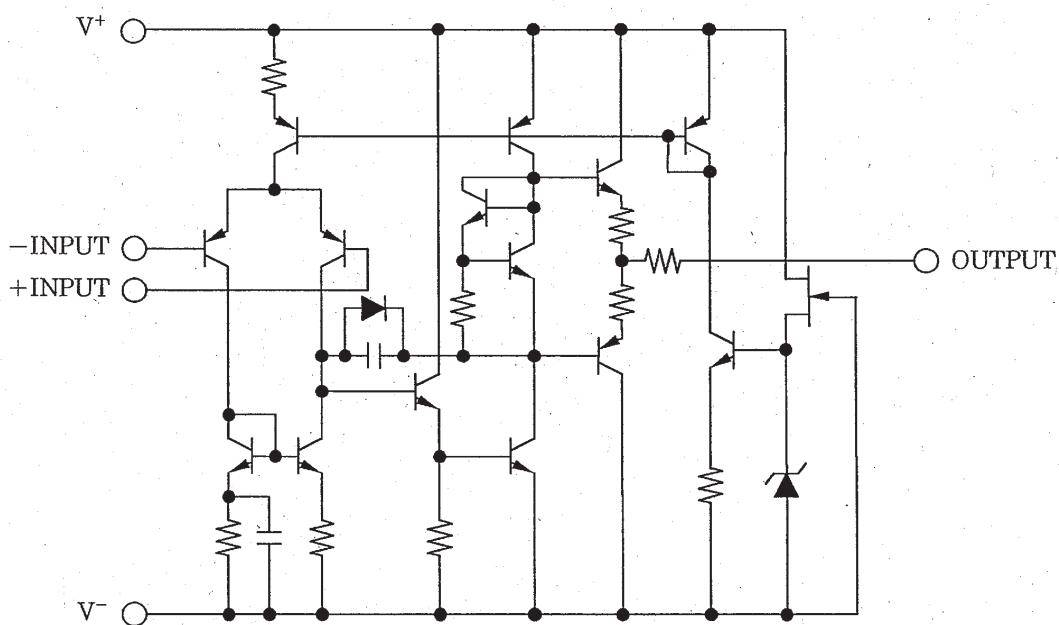


# IC BLOCK DIAGRAMS (CONT.)

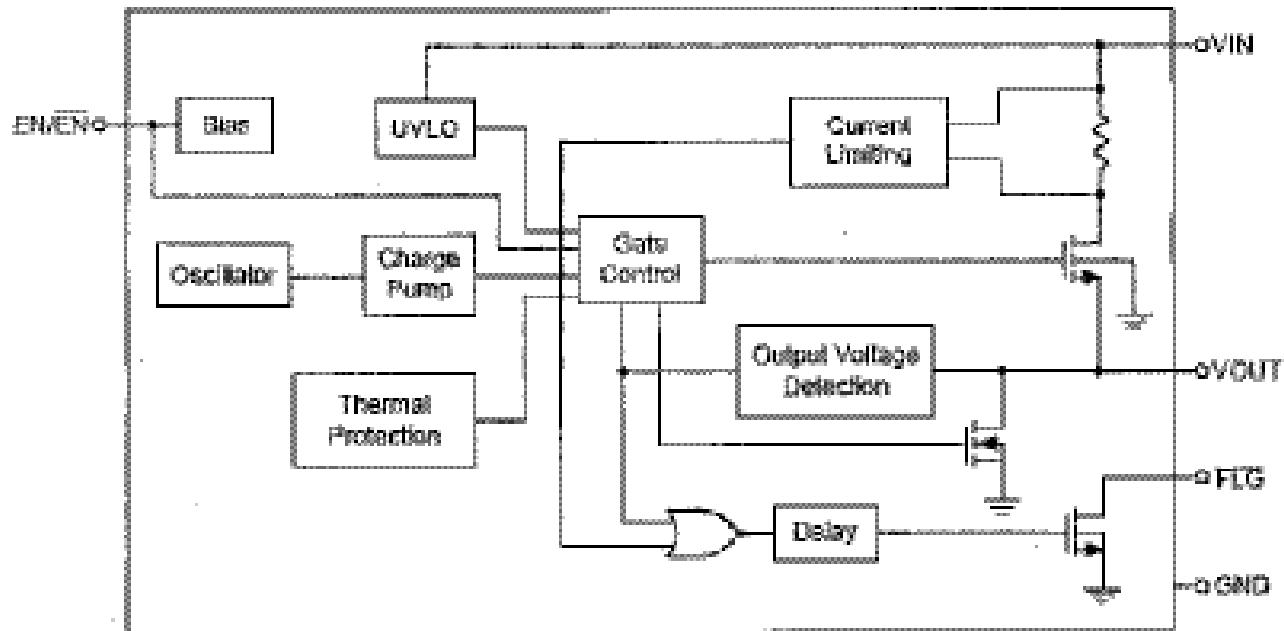
## IC5501 Block Diagram



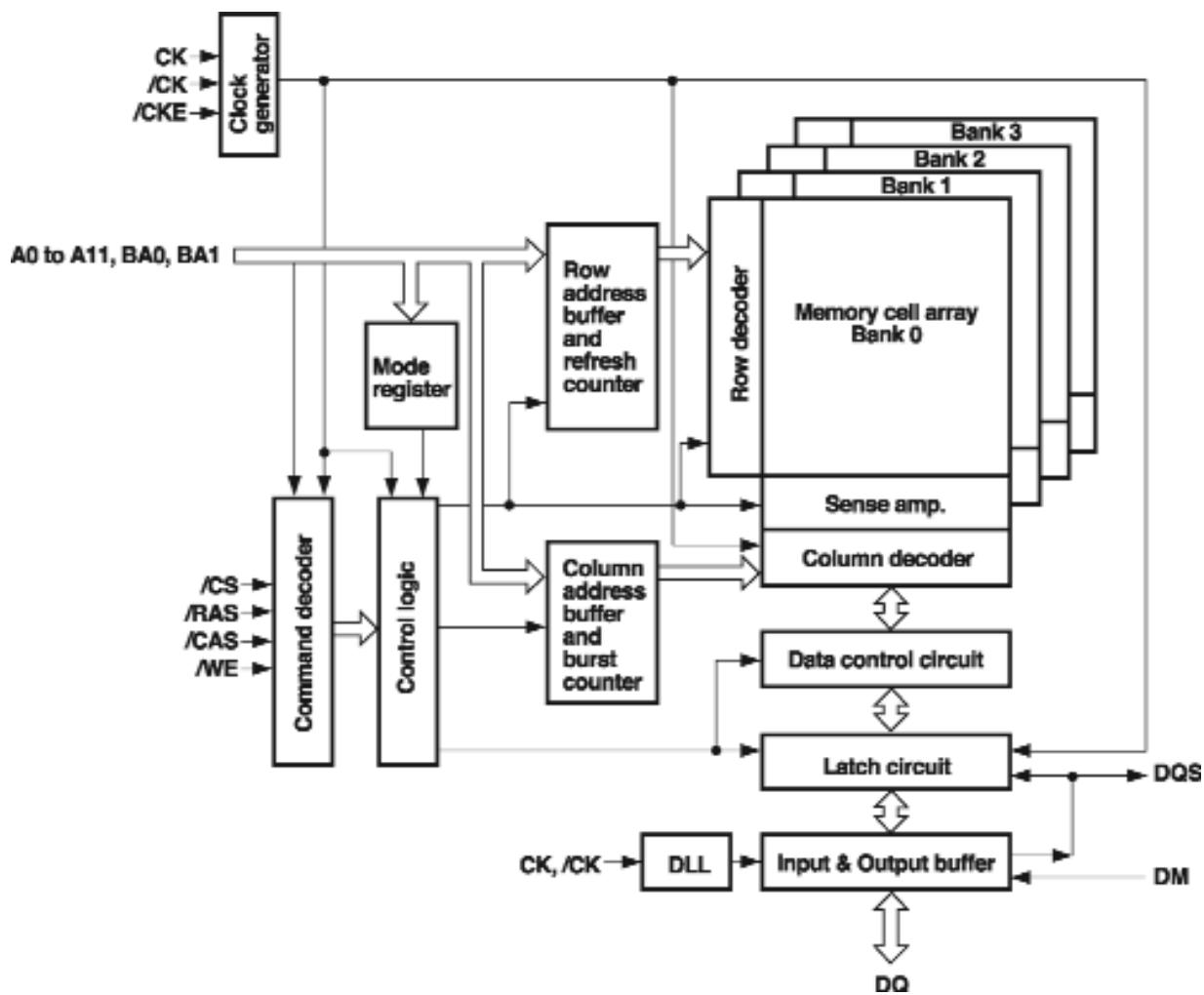
## IC3050, Low output Amplifier



## IC8500, IC8550 USB Protection

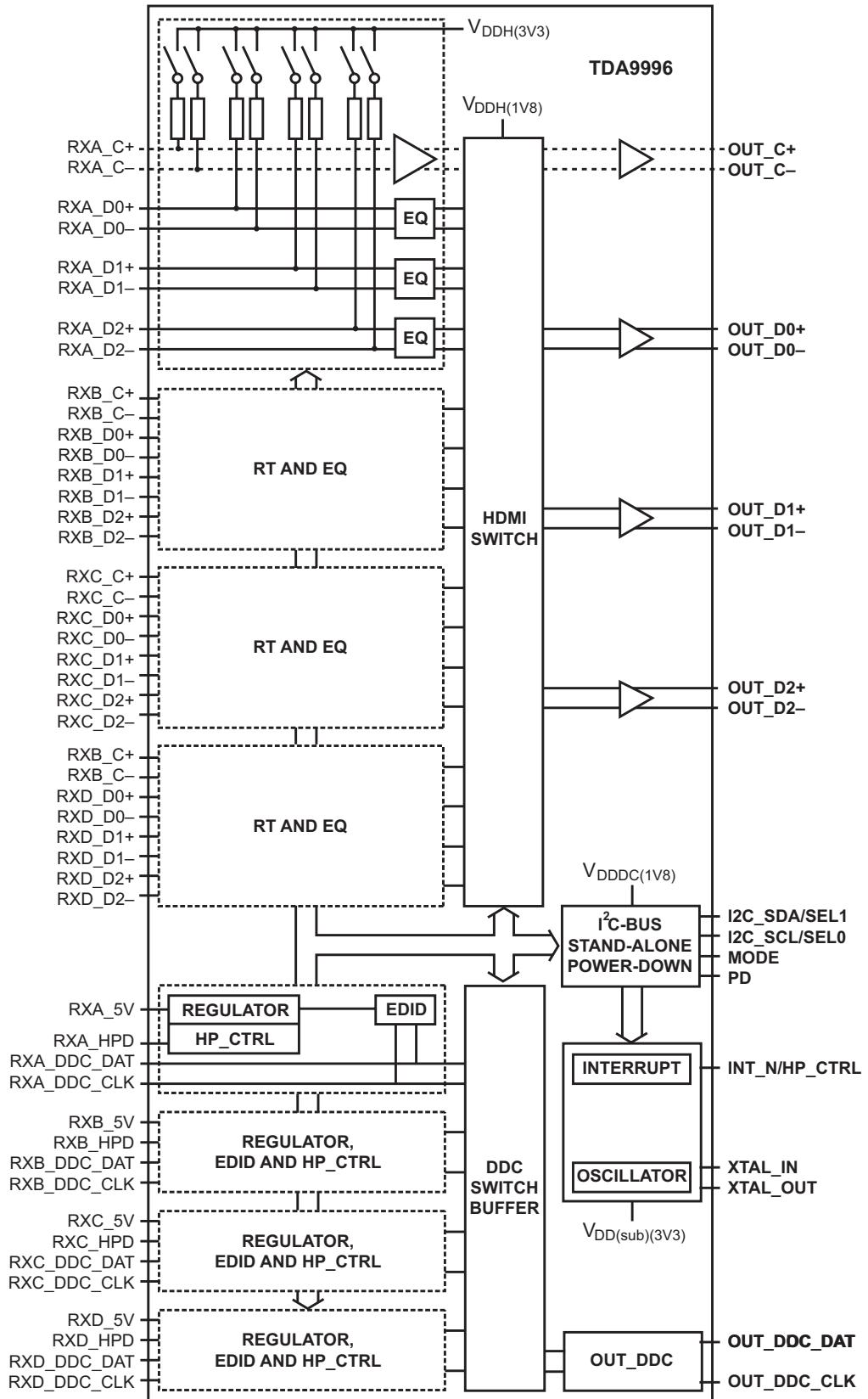


## IC5700, DDR: Double Data Rate SDRAM



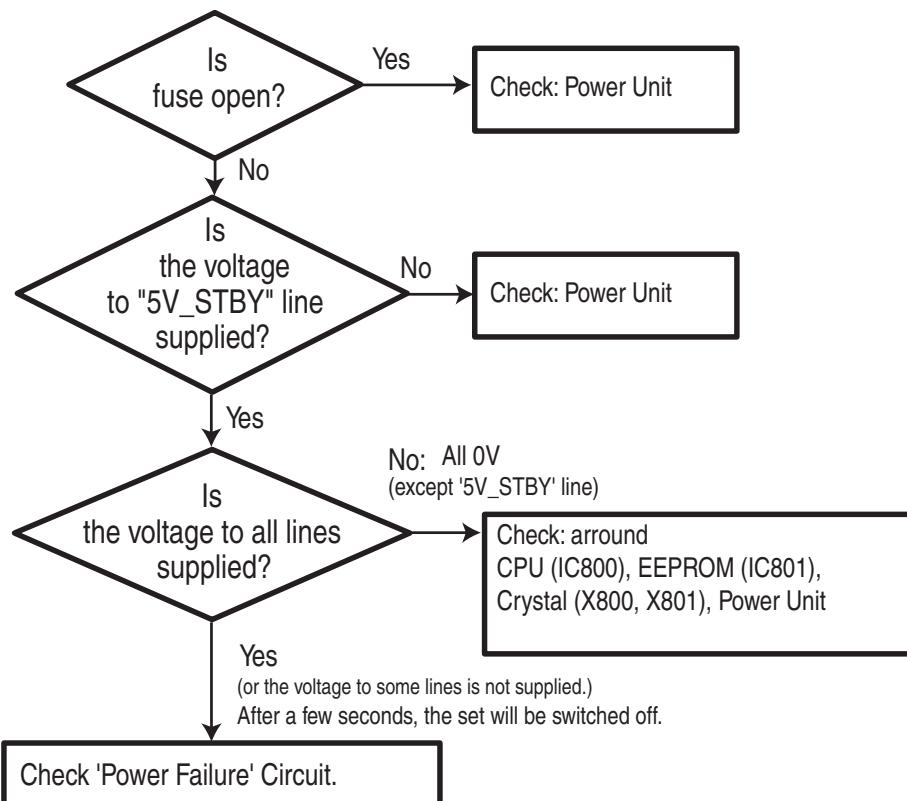
# IC BLOCK DIAGRAMS (CONT.)

## IC6600, HDMI SELECTOR



# TROUBLESHOOTING FLOW CHARTS

## NO POWER



### Power Failure Line

CPU (IC800) 48pin

#### Main Board

Diod	Detected Voltage
D1660	9V
D1632 / D1633	D3.3V / A3.3V
D1651	5V
D1674	AUDIO_POW

#### 120Hz Board

Diod	Detected Voltage
D6722 / D6721	D3.3V / A3.3V
D6791	5V

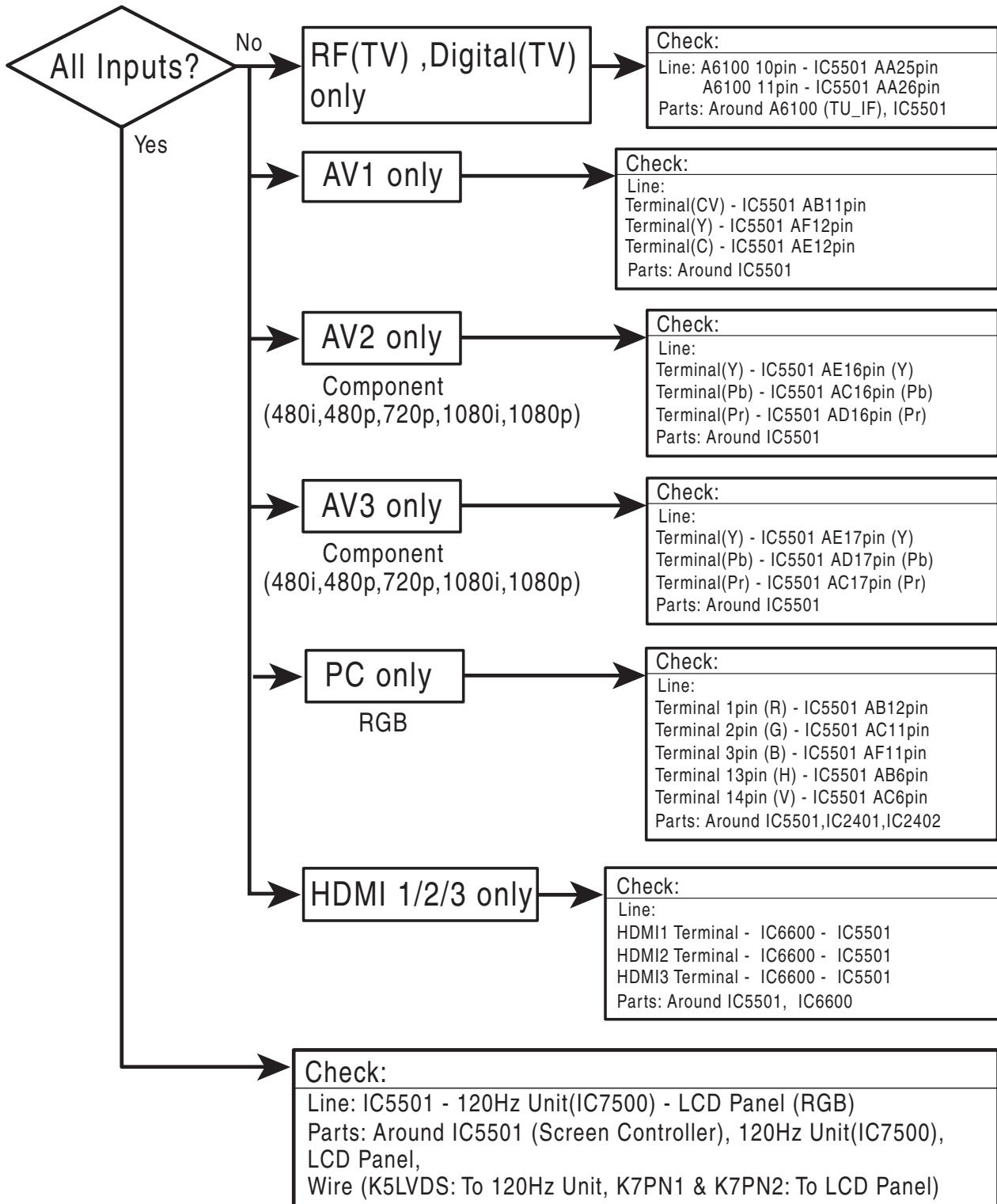
CPU (IC800) 23pin

#### Main Board

Diod	Detected Voltage
D1683	LVDS_POW

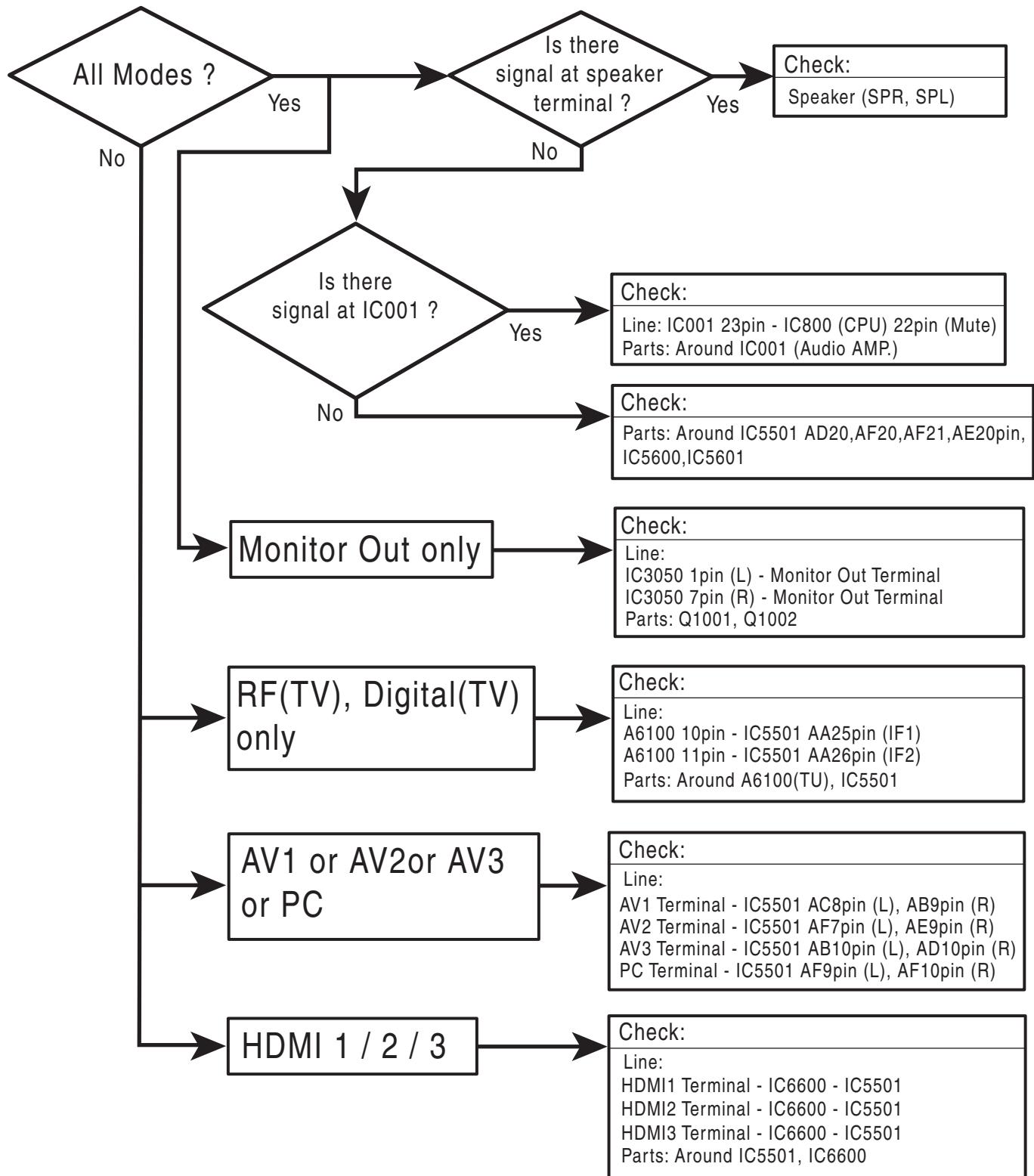
# TROUBLESHOOTING FLOW CHARTS (CONT.)

**NO VIDEO**



# TROUBLESHOOTING FLOW CHARTS (CONT.)

## NO AUDIO



# CONTROL PORT FUNCTIONS

## System Control (CPU : IC800)

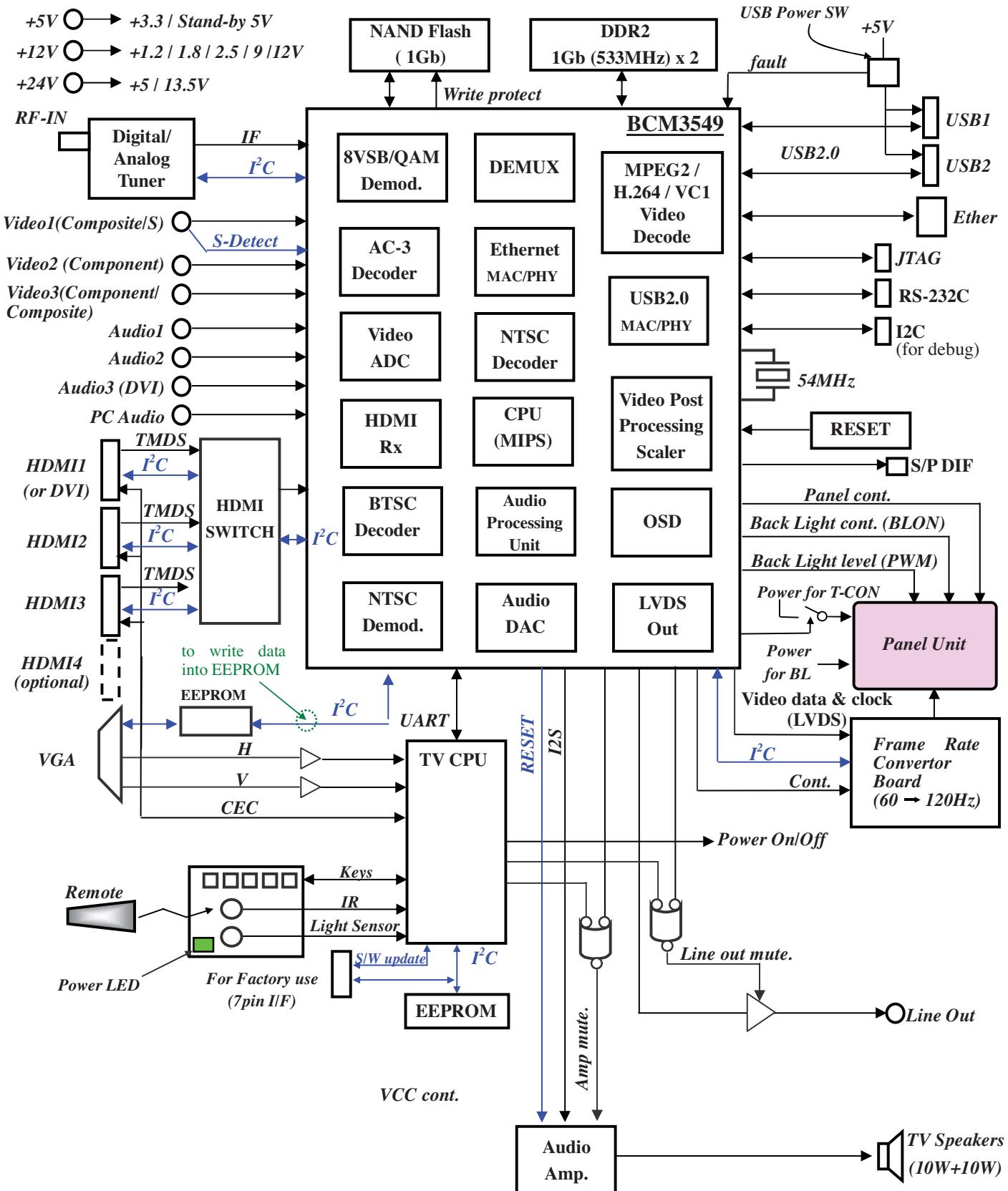
PIN	IC specification	Assignment	I/O	Explanation
1	P12/SCK0	REG SW4	OUT	no use (REG SW4)
2	P13/SO1	REG SW5	OUT	no use (REG SW5)
3	P14/SI1/SB1	IIC-BUS for NV	I/O	Data of IIC Bus Active 'L' for IIC data NV
4	P15/SCK1	IIC-BUS for NV	OUT	Clock of IIC Bus Active 'L' for IIC clock NV
5	P16/T1PWML	REG SW2	OUT	REG SW2 (ON : High OFF : Low)
6	P17/T1PWMH/BUZ	REG SW3	OUT	REG SW3 (ON : Low OFF : High)
7	PWM2	illumination	OUT	no use (illumination LED output )
8	PWM3	no use (PWR_DET)	IN	no use (PWR DET)
9	VDD2	Power IN	IN	VDD2 (5Vdc±10%)
10	VSS2	Vss	IN	GND (0Vdc)
11	P00	Category2	IN	Hard option for category (See other sheet,Zoran/BRCM model)
12	P01	Category1	IN	Hard option for category (See other sheet,Zoran/BRCM model)
13	P02	Category0	IN	Hard option for category (See other sheet,Zoran/BRCM model)
14	P03	Panel Size2	IN	Hard option for panel size (See other sheet,Zoran/BRCM model)
15	P04	Panel Size1	IN	Hard option for panel size (See other sheet,Zoran/BRCM model)
16	P05/CKO	Panel Size0	IN	Hard option for panel size (See other sheet,Zoran/BRCM model)
17	P06/T6O	LED CNTRL	OUT	LED Control output for Power indicator
18	P07/T7O	TV Relay out	OUT	POWER Relay control output ON : High OFF : Low
19	P20/UTX/INT4/T1IN	UART OUT	OUT	Output of UART(Digital Module microcomputer piece confidence )
20	P21/URX/INT4/T1IN	UART IN	IN	Input of UART (Digital Module microcomputer piece confidence)
21	P22/INT4/T1IN	PC Standby LED	OUT	LED control of PC Standby High_Noraml_Low
22	P23/INT4/T1IN	Audio MUTE	OUT	Audio Mute MUTE ON : Low OFF : High
23	P24/INT5/T1IN	Power Fail-2 IN	IN	no use (LVDS Power Fail input for LCD model)
24	P25/INT5/T1IN	AMP_STBY	OUT	no use (AMP Standby control)
25	P26/INT5/T1IN	HS_DET	IN	Detect H-Sync (Detect : High , PC Input)
26	P27/INT5/T1IN	VS_DET	IN	Detect V-Sync (Detect : High , PC Input)
27	PB7	RESET_TV	OUT	RESET_TV => for DM Watch Dog Timer
28	PB6	Boot_SEL1	OUT	no use (Starting DM S/W download-SEL1 for US1T model)
29	PB5	Boot SEL2	OUT	no use (Starting DM S/W download-SEL2 for US1T model)
30	PB4	M_OUT MUTE	OUT	MUTE ON:Low OFF:High
31	PB3	LINE OFF_DET	OUT	Detect LINE OFF output(Detect: High -> Low)
32	PB2	Reserve	OUT	Reserve (Set Low level)
33	PB1	Reserve	OUT	Reserve (Set Low level)
34	PB0	Solution	IN	High:AMD Low:Zoran
35	VSS3	Vss	IN	GND (0Vdc)
36	VDD3	Power IN	IN	VDD3 (5Vdc±10%)
37	PC7	DBGP2	IN	Terminal for De-Bug 3
38	PC6	DBGP1	I/O	Terminal for De-Bug 2
39	PC5	DBGP0	I/O	Terminal for De-Bug 1
40	PC4	CLK	OUT	Writing on bord (CLK)
41	PC3/AN11	DATA0	I/O	Writing on bord (DATA0)
42	PC2/AN10	ENA/DATA1	I/O	Writing on bord (ENA/DATA1)
43	PC1/AN9	Ack out	OUT	Ack output for factory mode
44	PC0/AN8	STATUS in	IN	Status input for factory mode
45	P86/AN6	sensor in	IN	Light sensor input
46	P85/AN5	Reserve	OUT	(OPEN) (Set Low level)
47	P84/AN4	Panel Alarm	IN	no use (Panel Alarm)
48	P83/AN3	Power Fail-1 IN	IN	TV Power Error(3.6V less)/Others (3.6V over)
49	P70/INT0/T0LCP	LINE OFF	IN	Detect AC Voltage Reduction (Normal : High)
50	P71/INT1/T0HCP	CEC input	IN	CEC input
51	P72/INT2/T0IN	CEC output	OUT	CEC output

PIN	IC specification	Assignment	I/O	Explanation
52	P73/INT3/T0IN	Rcin	IN	Remote control signal input
53	RES	RESET in	IN	CPU Reset input RESET : Low (and for on-board write)
54	XT1	Xin	IN	32.678KHz X'tal input (for clock timer)
55	XT2	Xout	OUT	32.678KHz X'tal output (for clock timer)
56	VSS1	Vss	IN	GND (0Vdc)
57	CF1/AN12	Xti	IN	Main clock input (8MHz ceramic oscillator)
58	CF2/AN13	Xto	OUT	Main clock output (8MHz ceramic oscillator)
59	VDD1	Power IN	IN	VDD1 (5Vdc±10%)
60	P80/AN0	Key in	IN	Panel switch input
61	P81/AN1	Reserve	IN	no use (GND)
62	P82/AN2	PANEL READY	IN	no use (Panel Ready for PDP)
63	P10/S00	VS-ON	OUT	no use (VS-ON for PDP)
64	P11/S10/SB0	REG SW1	OUT	REG SW1 (ON : Low OFF : High)

<Table A>

28pin(SEL1)	29pin(SEL2)	Operation
High	High	USB download
High	Low	Starting Bank1
Low	High	Starting Bank2
Low	Low	Normal

# MAIN SHEET BLOCK DIAGRAM & PERIPHERALS



# SCHEMATIC NOTES

## NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in  $\mu\text{F}$  (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an \* may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line. Cold Side  Hot Side
  
11. Schematic part location numbers may not always match the schematic symbols.  
The schematic symbols and part descriptions are correct and should be used.  
The part descriptions will be listed under the location number in the parts list.



### ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

### SERVICE NOTES:

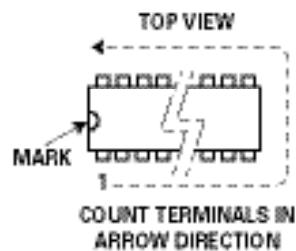
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

### PRODUCT SAFETY NOTICE

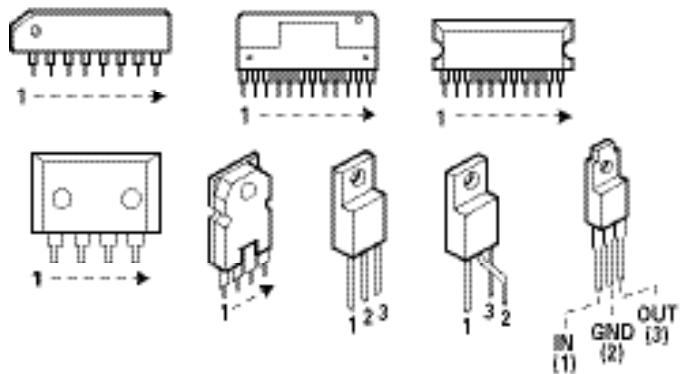
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

# IC, DIODE, AND TRANSISTOR PIN LAYOUTS

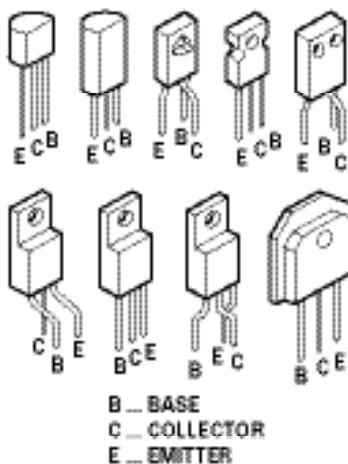
## INTEGRATED CIRCUITS



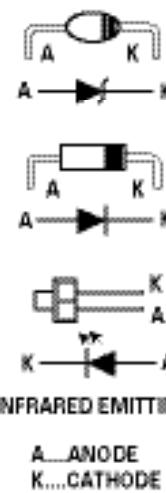
## SIDE VIEW



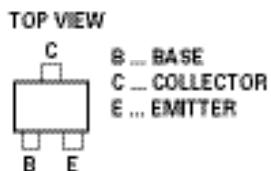
## TRANSISTORS



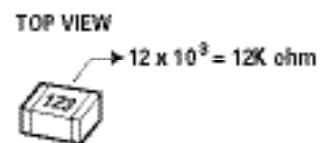
## DIODES



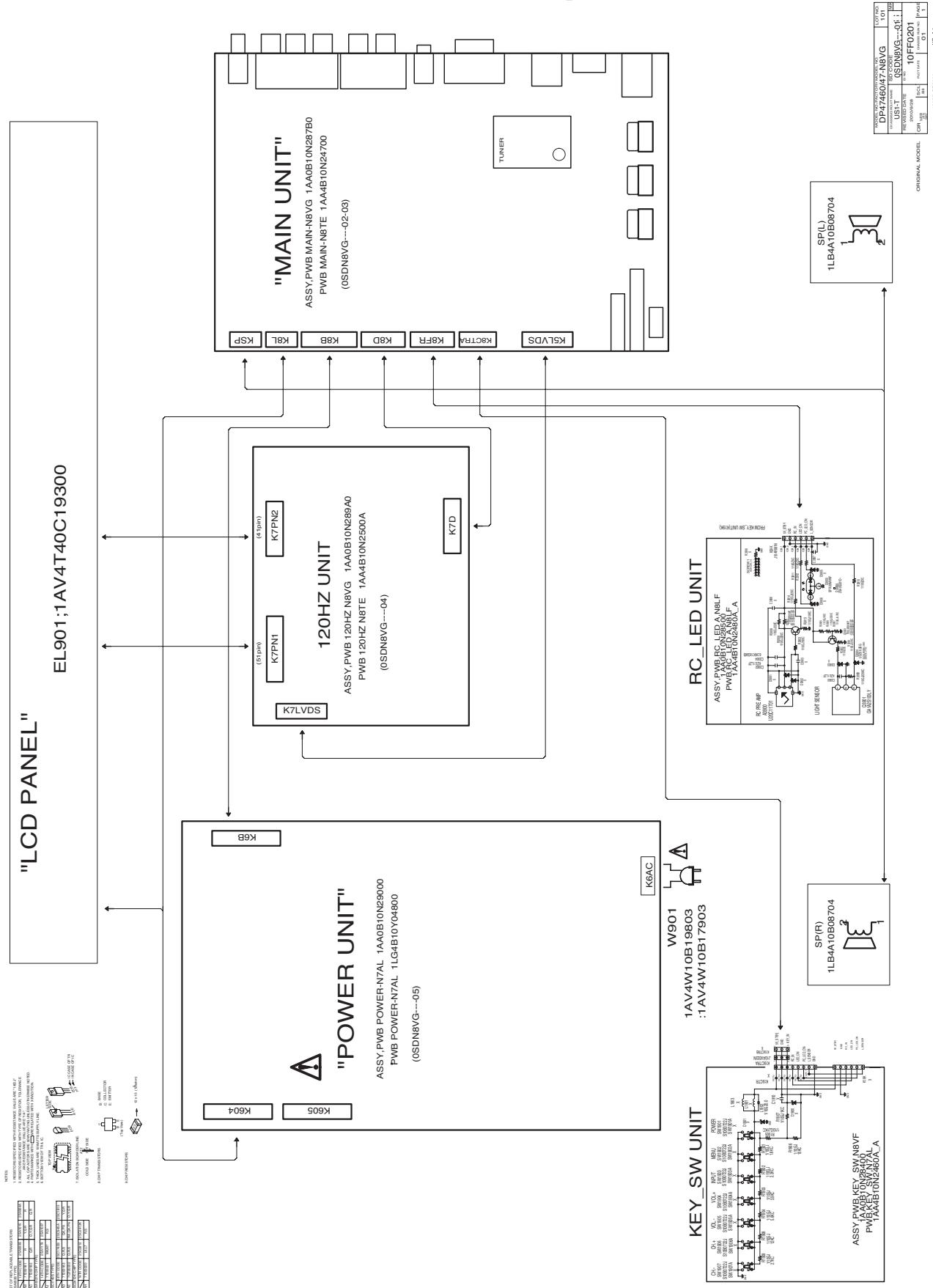
## CHIP TRANSISTORS



## CHIP RESISTORS



# PC BOARD CONNECTIONS AND LOCATIONS



# CAPACITOR AND RESISTOR CODE CHART

## CAPACITOR (Example)

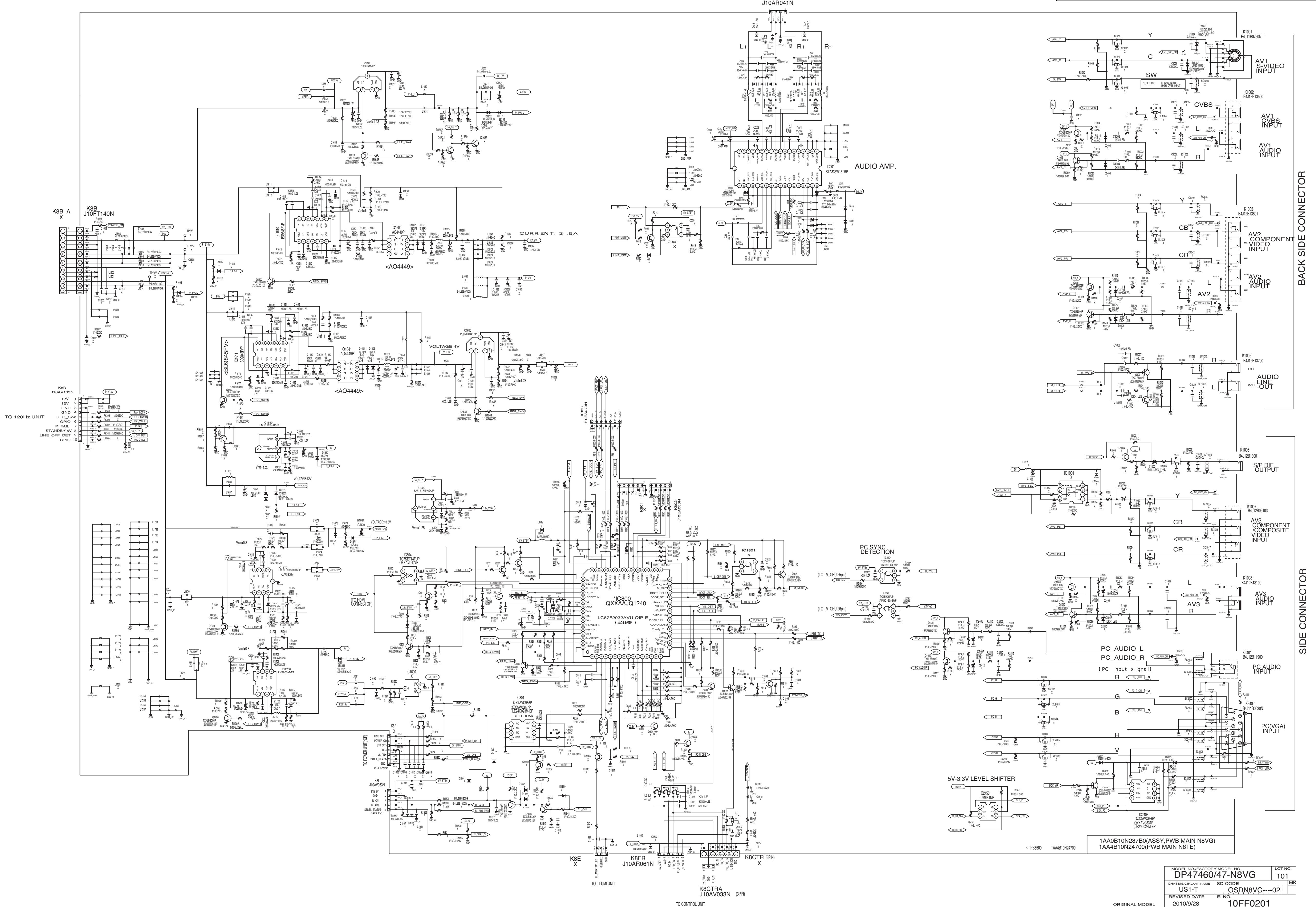
500	C	K	1500	B	
					Characteristics
					Value code
					Tolerance code
					Material code
					Voltage rating
					D ..... ±0.5pF
					T ..... +50% -10%
					J ..... ±5%
					K ..... ±10%
					M ..... ±20%
					N ..... ±30%
					P ..... +100% -0%
					Z ..... +80% -20%
					C ..... ±0.25pF
					C ..... Ceramic
					E ..... Electrolytic
					F ..... Polyester
					N ..... Polypropylene
					T ..... Tantalum
					K ..... Ceramic
					H ..... MT-Composite
					P ..... NP. Electrolytic
					M ..... MT-Polypropylene

## RESISTOR (Example)

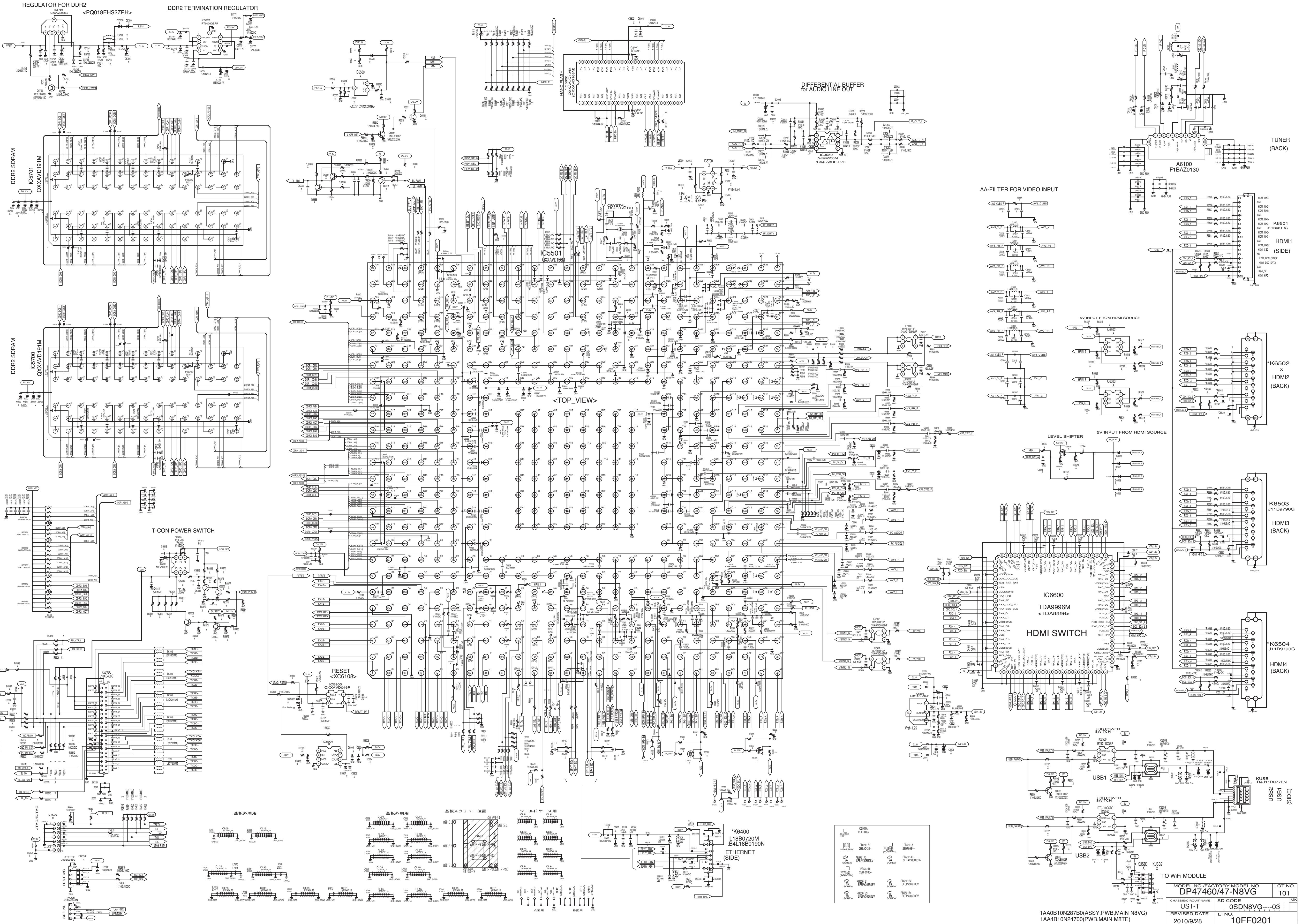
6	Y	K	4.7		
					Value code
					Tolerance code
					Material code
					Wattage rating
					D ..... ±0.5%
					F ..... ±1%
					G ..... ±2%
					J ..... ±5%
					K ..... ±10%
					M ..... ±20%
					F ..... Fusible
					N ..... Metalized Carbon
					S ..... Oxide Metalized
					Y ..... Wire Wound
					C ..... Solid
					D ..... Carbon Film
					W ..... Wire Wound

For parts or service contact

**Sanyo Manufacturing Corporation**  
**P.O. Box 2000**  
**3333 Sanyo Road**  
**Forrest City, Arkansas 72335-2000**



MODEL DP47460 Chassis No. P47460-00 SCHEMATIC DIAGRAMS



MODEL NO./FACTORY MODEL NO.		LOT NO.
DP47460/47-N8VG	101	
CHASSIS/CIRCUIT NAME	SD CODE	MK
US1-T	OSDN8VG---03	
REVISED DATE	EI NO.	
2010/9/28	10FF0201	
CIR	SCL	PLOT DATE
ORIGINAL MODEL	CHASSIS RUN NO.	PAGE
US1-T 55-N8TE	0.5	3
1AA0B10N287B0(ASSY.PWB.MAIN N8VG)		
1AA0B10N24700(PWB.MAIN M8TE)		
1997/3 CR5000	JIS A1	

